



# Handloader's Guide

For Smokeless Powders



**Shotshell • Rifle • Handgun**

Before using any of the loading data contained in this guide,  
please be sure to read all of the safety information.

## SAFETY INFORMATION

This IMR *Handloader's Guide* presents revised and updated information on the use of IMR powders to reload shotshell, handgun and rifle ammunition. This *Guide* is not intended to be a "how to" manual for reloading, and we strongly recommend that all handloaders carefully read one or more of the reloading manuals which cover the subject in detail. This *Guide* is offered to be used at your own discretion and risk. Since we have no control over the circumstances of use, we assume no liability for the results obtained. And we guarantee only that our powders meet our manufacturing standards.

It is possible that changes in components which could affect ballistic performance could occur without our knowledge. The components used and specified in all our data were those that were commercially available to the handloader at the time our tests were conducted. It is the responsibility of the handloader to check each of his components to insure that they are the same as specified in our data.

Improper modifications and/or alterations can render any type of firearm unsafe. All work should be conducted by the manufacturer or a qualified gunsmith. It is highly recommended that a shooter have his guns checked periodically by a qualified gunsmith to insure that they are in safe operating condition. Treat all guns as being loaded and read and practice all the rules of safe gun handling and shooting.

The future of handloading is dependent upon the safe handling and storage of powder and primers and the safe use of all ammunition. In this regard, read and follow the recommendations of the Sporting Arms and Ammunition Manufacturers' Institute, Inc. as published in "Properties and Storage of Smokeless Powder." A copy of this pamphlet is bound into this *Handloader's Guide*.

## SHOTSHELL

The shotshell data section offers a wide selection of target and field loads. There have been a number of changes and modifications in shotshell components which make it increasingly important that the handloader carefully check all of the components being used to insure that they are the same as shown. If you have reason to question any of your components, contact the manufacturer.

Our goal in developing this shotshell data was to offer a selection of "factory duplication" loads, specifying the average velocity and chamber pressure of the rounds tested. However, not all factory loads can be duplicated because the components utilized are not available to the handloader. All of the ballistics data specified were obtained using once-fired cases and components available to the handloaders at the time our tests were performed.

All of the shotshell data presented were developed using **lead** shot. Do not attempt to reload any of the loads listed using **steel** shot. Substituting steel shot in any load developed for lead shot could be very dangerous.

**To obtain a reasonable duplication of the ballistic results listed, you must reload exactly as shown. Substitution of components especially primers and/or alteration in powder charge or type of powder could result in extremely dangerous reloads.**

Good, uniform, efficient reloads result only from careful reloading procedures. Always check powder and shot weights on a reliable scale, use the exact components specified, seat wads properly and use only cases that are in good condition. Never leave to chance the

powder type and/or weight and the lead shot weight that you are loading in a shell. Inspect all reloaded shells to insure that crimp closely duplicates that of factory loads.

Unfortunately, time and space do not permit publication of loads utilizing all of the many components available. Loading data utilizing IMR powders for wads not listed in this *Guide* may be obtained by contacting the wad manufacturer.

## RIFLE

The rifle data section contains data for most of the popular cartridges. The components specified were those that were commercially available to the handloader at the time the tests were performed.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels used and components specified, with the exception of loads that are specified as (C) compressed charges which may represent case capacity rather than maximum chamber pressure. All tests were conducted utilizing commercial barrels in a Universal Receiver.

It is not unusual for reloads assembled with particular components and fired in the individual reloader's gun to give ballistic results (particularly chamber pressures) that vary in either direction from the published data. To compensate for any component and/or gun combination that would tend to yield pressures in excess of the published data, it is recommended that the powder charge be reduced 10% initially. (This reduction in powder charge weight should also be made each time that any of the components in the load are changed.) After firing several loads at the lower powder charge weight—without ANY evidence of excessive chamber pressure—the powder charge weight may then be increased in 0.5 grain increments as accuracy needs and pressure indications permit. The subject of excessive pressure along with illustrations is included in most reloading manuals, and should be read before attempting any reloading.

Always make certain that you use the correct ammunition in your rifle.

**This data must be used only with IMR Smokeless Powders. Never use this data for powders that may have similar numerical designations!**

## HANDGUN

The handgun section contains loads for the more popular handgun cartridges utilizing the handloading components commercially available at the time our tests were conducted. We have also included a section of handgun data for the T/C Contender in cartridge and component combinations of particular interest to the metallic silhouette shooter. Test components used are specified and these exact components must be used to achieve a reasonable duplication of the ballistic data shown.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels and components used, with the exception of loads that are specified as (C) compressed charges and therefore may represent case capacity rather than maximum chamber pressure, and loads that duplicate factory velocity. All tests were conducted utilizing commercial barrels in a Universal Receiver.

Always practice all of the principals of **SAFE RELOADING** and enjoy good shooting.

## RELOADING SAFETY

Reloading ammunition is an enjoyable hobby, and can be conducted safely if certain rules are followed:

1. Exercise care and common sense at all times.
2. Don't become distracted when you are handloading.
3. Never load in haste. A careless mistake can be serious.
4. Use equipment as manufacturer recommends.  
Never take shortcuts.
5. Store powder in a cool, dry place at all times.
6. Never use a powder unless you are positive of its identity.
7. Never substitute smokeless powder for black powder.
8. Never use IMR powder data for any other powder types with similar numerical designations.
9. Keep powder away from heat and open flames.
10. Never smoke while handling powder.
11. Keep powder out of reach of children.
12. Don't mix powders.
13. Don't keep more powder in an open container than you need.
14. Observe all maximum load warnings in handbooks.
15. Work up all new loads starting 10% below the recommended maximum charge weight.
16. Examine every case before loading to insure it is in good condition.
17. Watch for indications of high pressures in establishing a new load.
18. Never use smokeless powder in firearms designed for black powder.
19. DO NOT use *steel shot* in any of the shotshell loads listed in this guide.
20. Use of safety glasses while reloading is recommended.
21. Clean up any powder spills immediately. Use dust pan and brush to clean up powder. Dispose of it in accordance with recommended procedures.
22. Make sure powder container is empty before disposing of container.
23. Consult suppliers of components if you have any questions about their use.
24. Check powder charges regularly to insure using proper powder charge weight.
25. Develop a routine for reloading to guard against mistakes.

### NOTE:

- It should be recognized that Auto-Loading Shotguns may not function with some of the Low Chamber Pressure Loads.
- Several Handgun Calibers show Chamber Pressure in PSI.
- If you use Military Brass for certain Center-Fire Calibers the maximum powder charges should be lowered from data shown.
- **We have included a separate section in the Rifle Data Section that provides recommendations for various Calibers and Components showing Chamber Pressures in PSI units versus prior data with CUP units for the Chamber Pressure. There will be additions to this section as the data becomes available.**

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# SHOTSHELL TARGET DATA

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> Grams** |      |                           |        |                    |             |              |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 24           | 1155                           | 5300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5*  | WIN.               | WAA12SL     | 24           | 1205                           | 5900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.5*  | WIN.               | WAA12SL     | 24           | 1255                           | 6600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.0*  | WIN.               | WAA12SL     | 24           | 1325                           | 7800                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5*  | CB.                | CB1100-12   | 24           | 1145                           | 4800                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5*  | CB.                | CB1100-12   | 24           | 1195                           | 5500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.5*  | CB.                | CB1100-12   | 24           | 1250                           | 6200                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5*  | CB.                | CB1100-12   | 24           | 1335                           | 7400                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5*  | REM.               | TGT12       | 24           | 1145                           | 5000                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5*  | REM.               | TGT12       | 24           | 1195                           | 5700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.5*  | REM.               | TGT12       | 24           | 1245                           | 6200                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5*  | REM.               | TGT12       | 24           | 1325                           | 7100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0*  | CB.                | CB2100-12   | 24           | 1160                           | 5300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0*  | CB.                | CB2100-12   | 24           | 1210                           | 6000                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0*  | CB.                | CB2100-12   | 24           | 1260                           | 6600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5*  | CB.                | CB2100-12   | 24           | 1330                           | 7500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0*  | FED.               | 12S0        | 24           | 1160                           | 5500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0*  | FED.               | 12S0        | 24           | 1205                           | 6200                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0*  | FED.               | 12S0        | 24           | 1255                           | 6800                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5*  | FED.               | 12S0        | 24           | 1325                           | 7800                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5*  | ACTIV              | TG-30       | 24           | 1155                           | 6100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5*  | ACTIV              | TG-30       | 24           | 1200                           | 6700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.5*  | ACTIV              | TG-30       | 24           | 1245                           | 7300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5*  | ACTIV              | TG-30       | 24           | 1335                           | 8800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | WIN.               | WAA12SL     | 24           | 1150                           | 4700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.0*  | WIN.               | WAA12SL     | 24           | 1205                           | 5400                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.0*  | WIN.               | WAA12SL     | 24           | 1250                           | 5900                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.5*  | WIN.               | WAA12SL     | 24           | 1325                           | 6600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | CB.                | CB1100-12   | 24           | 1140                           | 4000                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5*  | CB.                | CB1100-12   | 24           | 1205                           | 4600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.0*  | CB.                | CB1100-12   | 24           | 1250                           | 5300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 21.0*  | CB.                | CB1100-12   | 24           | 1320                           | 5800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 24           | 1150                           | 4200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 24           | 1195                           | 4800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 24           | 1250                           | 5700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 21.0*  | REM.               | TGT12       | 24           | 1330                           | 6500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.5*  | CB.                | CB2100-12   | 24           | 1140                           | 4000                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.0*  | CB.                | CB2100-12   | 24           | 1195                           | 4500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.5*  | CB.                | CB2100-12   | 24           | 1265                           | 5200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 21.0*  | CB.                | CB2100-12   | 24           | 1330                           | 6300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.5*  | FED.               | 12S0        | 24           | 1160                           | 4800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5*  | FED.               | 12S0        | 24           | 1205                           | 5300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5*  | FED.               | 12S0        | 24           | 1250                           | 6000                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.5*  | FED.               | 12S0        | 24           | 1340                           | 7300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | ACTIV              | TG-30       | 24           | 1145                           | 4800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5*  | ACTIV              | TG-30       | 24           | 1210                           | 5500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5*  | ACTIV              | TG-30       | 24           | 1250                           | 6100                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.0*  | ACTIV              | TG-30       | 24           | 1320                           | 7000                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 24           | 1150                           | 5100                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5*  | WIN.               | WAA12SL     | 24           | 1200                           | 5700                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5*  | WIN.               | WAA12SL     | 24           | 1250                           | 6400                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.0*  | WIN.               | WAA12SL     | 24           | 1320                           | 7500                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.0*  | CB.                | CB1100-12   | 24           | 1155                           | 4900                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.0*  | CB.                | CB1100-12   | 24           | 1210                           | 5500                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.0*  | CB.                | CB1100-12   | 24           | 1260                           | 6200                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5*  | CB.                | CB1100-12   | 24           | 1335                           | 7300                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5*  | REM.               | TGT12       | 24           | 1150                           | 5200                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5*  | REM.               | TGT12       | 24           | 1195                           | 5800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5*  | REM.               | TGT12       | 24           | 1245                           | 6400                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5*  | REM.               | TGT12       | 24           | 1335                           | 7800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.0*  | CB.                | CB2100-12   | 24           | 1160                           | 5300                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.0*  | CB.                | CB2100-12   | 24           | 1210                           | 5900                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.0*  | CB.                | CB2100-12   | 24           | 1260                           | 6500                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5*  | CB.                | CB2100-12   | 24           | 1335                           | 7400                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5*  | FED.               | 12S0        | 24           | 1145                           | 5400                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5*  | FED.               | 12S0        | 24           | 1195                           | 6100                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5*  | FED.               | 12S0        | 24           | 1250                           | 6700                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5*  | FED.               | 12S0        | 24           | 1330                           | 7800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5*  | ACTIV              | TG-30       | 24           | 1145                           | 5600                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5*  | ACTIV              | TG-30       | 24           | 1195                           | 6300                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5*  | ACTIV              | TG-30       | 24           | 1245                           | 7000                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5*  | ACTIV              | TG-30       | 24           | 1335                           | 8400                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT   | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|----------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             | <b>Grams**</b> |                                |                              |
| FEDERAL  | 209A | PB                        | 20.0*  | WIN.               | WAA12SL     | 24             | 1155                           | 5000                         |
| FEDERAL  | 209A | PB                        | 21.0*  | WIN.               | WAA12SL     | 24             | 1195                           | 5300                         |
| FEDERAL  | 209A | PB                        | 22.5*  | WIN.               | WAA12SL     | 24             | 1250                           | 5900                         |
| FEDERAL  | 209A | PB                        | 24.5*  | WIN.               | WAA12SL     | 24             | 1325                           | 6600                         |
| FEDERAL  | 209A | PB                        | 20.0*  | CB.                | CB2118-12   | 24             | 1150                           | 4900                         |
| FEDERAL  | 209A | PB                        | 21.0*  | CB.                | CB2118-12   | 24             | 1190                           | 5400                         |
| FEDERAL  | 209A | PB                        | 22.5*  | CB.                | CB2118-12   | 24             | 1250                           | 6000                         |
| FEDERAL  | 209A | PB                        | 24.5*  | CB.                | CB2118-12   | 24             | 1330                           | 6900                         |
| FEDERAL  | 209A | PB                        | 20.0*  | REM.               | TGT12       | 24             | 1145                           | 4700                         |
| FEDERAL  | 209A | PB                        | 21.5*  | REM.               | TGT12       | 24             | 1205                           | 5300                         |
| FEDERAL  | 209A | PB                        | 23.0*  | REM.               | TGT12       | 24             | 1265                           | 6000                         |
| FEDERAL  | 209A | PB                        | 24.5*  | REM.               | TGT12       | 24             | 1325                           | 6700                         |
| FEDERAL  | 209A | PB                        | 20.0*  | FED.               | 12S3        | 24             | 1155                           | 5200                         |
| FEDERAL  | 209A | PB                        | 21.0*  | FED.               | 12S3        | 24             | 1195                           | 5600                         |
| FEDERAL  | 209A | PB                        | 22.5*  | FED.               | 12S3        | 24             | 1260                           | 6300                         |
| FEDERAL  | 209A | PB                        | 24.0*  | FED.               | 12S3        | 24             | 1320                           | 7000                         |
| FEDERAL  | 209A | PB                        | 20.0*  | ACTIV              | TG-30       | 24             | 1145                           | 5000                         |
| FEDERAL  | 209A | PB                        | 21.5*  | ACTIV              | TG-30       | 24             | 1205                           | 5600                         |
| FEDERAL  | 209A | PB                        | 22.5*  | ACTIV              | TG-30       | 24             | 1250                           | 6100                         |
| FEDERAL  | 209A | PB                        | 24.5*  | ACTIV              | TG-30       | 24             | 1330                           | 7000                         |
| REMINGTON  | 209P | PB                        | 21.0*  | WIN.               | WAA12SL     | 24             | 1140                           | 3900                         |
| REMINGTON  | 209P | PB                        | 22.5*  | WIN.               | WAA12SL     | 24             | 1195                           | 4400                         |
| REMINGTON  | 209P | PB                        | 24.0*  | WIN.               | WAA12SL     | 24             | 1255                           | 5100                         |
| REMINGTON  | 209P | PB                        | 25.5*  | WIN.               | WAA12SL     | 24             | 1320                           | 5700                         |
| REMINGTON  | 209P | PB                        | 21.0*  | CB.                | CB2118-12   | 24             | 1150                           | 4300                         |
| REMINGTON  | 209P | PB                        | 22.5*  | CB.                | CB2118-12   | 24             | 1205                           | 4700                         |
| REMINGTON  | 209P | PB                        | 24.0*  | CB.                | CB2118-12   | 24             | 1265                           | 5300                         |
| REMINGTON  | 209P | PB                        | 25.5*  | CB.                | CB2118-12   | 24             | 1330                           | 6100                         |
| REMINGTON  | 209P | PB                        | 21.0*  | REM.               | TGT12       | 24             | 1145                           | 3900                         |
| REMINGTON  | 209P | PB                        | 22.5*  | REM.               | TGT12       | 24             | 1200                           | 4500                         |
| REMINGTON  | 209P | PB                        | 24.0*  | REM.               | TGT12       | 24             | 1265                           | 5200                         |
| REMINGTON  | 209P | PB                        | 25.5*  | REM.               | TGT12       | 24             | 1330                           | 6000                         |
| REMINGTON  | 209P | PB                        | 21.0*  | FED.               | 12S3        | 24             | 1160                           | 4700                         |
| REMINGTON  | 209P | PB                        | 22.0*  | FED.               | 12S3        | 24             | 1205                           | 5100                         |
| REMINGTON  | 209P | PB                        | 23.0*  | FED.               | 12S3        | 24             | 1250                           | 5600                         |
| REMINGTON  | 209P | PB                        | 25.0*  | FED.               | 12S3        | 24             | 1330                           | 6600                         |
| REMINGTON  | 209P | PB                        | 20.0*  | ACTIV              | TG-30       | 24             | 1140                           | 4800                         |
| REMINGTON  | 209P | PB                        | 22.0*  | ACTIV              | TG-30       | 24             | 1205                           | 5300                         |
| REMINGTON  | 209P | PB                        | 23.5*  | ACTIV              | TG-30       | 24             | 1260                           | 5700                         |
| REMINGTON  | 209P | PB                        | 25.0*  | ACTIV              | TG-30       | 24             | 1325                           | 6400                         |
| WINCHESTER   | 209  | PB                        | 20.5*  | WIN.               | WAA12SL     | 24             | 1145                           | 4300                         |
| WINCHESTER   | 209  | PB                        | 21.5*  | WIN.               | WAA12SL     | 24             | 1190                           | 4800                         |
| WINCHESTER   | 209  | PB                        | 23.0*  | WIN.               | WAA12SL     | 24             | 1255                           | 5400                         |
| WINCHESTER   | 209  | PB                        | 25.0*  | WIN.               | WAA12SL     | 24             | 1335                           | 6200                         |
| WINCHESTER   | 209  | PB                        | 20.5*  | CB.                | CB2118-12   | 24             | 1150                           | 4800                         |
| WINCHESTER   | 209  | PB                        | 21.5*  | CB.                | CB2118-12   | 24             | 1195                           | 5300                         |
| WINCHESTER   | 209  | PB                        | 23.0*  | CB.                | CB2118-12   | 24             | 1260                           | 6000                         |
| WINCHESTER   | 209  | PB                        | 24.5*  | CB.                | CB2118-12   | 24             | 1320                           | 6600                         |
| WINCHESTER   | 209  | PB                        | 20.5*  | REM.               | TGT12       | 24             | 1140                           | 4500                         |
| WINCHESTER   | 209  | PB                        | 22.0*  | REM.               | TGT12       | 24             | 1200                           | 5000                         |
| WINCHESTER   | 209  | PB                        | 23.5*  | REM.               | TGT12       | 24             | 1265                           | 5700                         |
| WINCHESTER   | 209  | PB                        | 25.0*  | REM.               | TGT12       | 24             | 1325                           | 6300                         |
| WINCHESTER   | 209  | PB                        | 20.5*  | FED.               | 12S3        | 24             | 1145                           | 4800                         |
| WINCHESTER   | 209  | PB                        | 22.0*  | FED.               | 12S3        | 24             | 1205                           | 5600                         |
| WINCHESTER   | 209  | PB                        | 23.0*  | FED.               | 12S3        | 24             | 1250                           | 6100                         |
| WINCHESTER   | 209  | PB                        | 24.5*  | FED.               | 12S3        | 24             | 1320                           | 6900                         |
| WINCHESTER   | 209  | PB                        | 20.5*  | ACTIV              | TG-30       | 24             | 1160                           | 5100                         |
| WINCHESTER   | 209  | PB                        | 21.5*  | ACTIV              | TG-30       | 24             | 1200                           | 5600                         |
| WINCHESTER   | 209  | PB                        | 22.5*  | ACTIV              | TG-30       | 24             | 1250                           | 6100                         |
| WINCHESTER   | 209  | PB                        | 24.5*  | ACTIV              | TG-30       | 24             | 1325                           | 6900                         |
| FEDERAL  | 209A | SR7625                    | 23.5*  | WIN.               | WAA12SL     | 24             | 1150                           | 3800                         |
| FEDERAL  | 209A | SR7625                    | 24.5*  | WIN.               | WAA12SL     | 24             | 1190                           | 4200                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | WIN.               | WAA12SL     | 24             | 1255                           | 4800                         |
| FEDERAL  | 209A | SR7625                    | 27.0   | WIN.               | WAA12SL     | 24             | 1320                           | 5600                         |
| FEDERAL  | 209A | SR7625                    | 24.0   | CB.                | CB2100-12   | 24             | 1145                           | 3400                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | CB.                | CB2100-12   | 24             | 1205                           | 3900                         |

\*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP      \*\*24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             | Grams**      |                                |                              |
| FEDERAL  | 209A | SR7625                    | 26.5   | CB.                | CB2100-12   | 24           | 1250                           | 4300                         |
| FEDERAL  | 209A | SR7625                    | 28.5   | CB.                | CB2100-12   | 24           | 1325                           | 5000                         |
| FEDERAL  | 209A | SR7625                    | 24.0   | REM.               | TGT12       | 24           | 1155                           | 3700                         |
| FEDERAL  | 209A | SR7625                    | 25.0   | REM.               | TGT12       | 24           | 1195                           | 4000                         |
| FEDERAL  | 209A | SR7625                    | 26.5   | REM.               | TGT12       | 24           | 1255                           | 4600                         |
| FEDERAL  | 209A | SR7625                    | 28.5   | REM.               | TGT12       | 24           | 1335                           | 5400                         |
| FEDERAL  | 209A | SR7625                    | 23.5   | FED.               | 12S0        | 24           | 1145                           | 3800                         |
| FEDERAL  | 209A | SR7625                    | 25.0   | FED.               | 12S0        | 24           | 1205                           | 4300                         |
| FEDERAL  | 209A | SR7625                    | 26.5   | FED.               | 12S0        | 24           | 1265                           | 4900                         |
| FEDERAL  | 209A | SR7625                    | 28.0   | FED.               | 12S0        | 24           | 1320                           | 5400                         |
| FEDERAL  | 209A | SR7625                    | 23.5*  | ACTIV              | TG-30       | 24           | 1155                           | 4100                         |
| FEDERAL  | 209A | SR7625                    | 24.5*  | ACTIV              | TG-30       | 24           | 1200                           | 4600                         |
| FEDERAL  | 209A | SR7625                    | 26.0*  | ACTIV              | TG-30       | 24           | 1260                           | 5300                         |
| FEDERAL  | 209A | SR7625                    | 28.0*  | ACTIV              | TG-30       | 24           | 1335                           | 5900                         |
| WINCHESTER   | 209  | SR7625                    | 24.5*  | WIN.               | WAA12SL     | 24           | 1145                           | 3500                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | WIN.               | WAA12SL     | 24           | 1195                           | 3800                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | WIN.               | WAA12SL     | 24           | 1265                           | 4600                         |
| WINCHESTER   | 209  | SR7625                    | 28.5   | WIN.               | WAA12SL     | 24           | 1335                           | 5400                         |
| WINCHESTER   | 209  | SR7625                    | 25.0   | CB.                | CB2100-12   | 24           | 1155                           | 3300                         |
| WINCHESTER   | 209  | SR7625                    | 26.0   | CB.                | CB2100-12   | 24           | 1195                           | 3600                         |
| WINCHESTER   | 209  | SR7625                    | 27.5   | CB.                | CB2100-12   | 24           | 1250                           | 4000                         |
| WINCHESTER   | 209  | SR7625                    | 29.5   | CB.                | CB2100-12   | 24           | 1322                           | 4600                         |
| WINCHESTER   | 209  | SR7625                    | 24.5   | REM.               | TGT12       | 24           | 1150                           | 3500                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | REM.               | TGT12       | 24           | 1195                           | 3700                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | REM.               | TGT12       | 24           | 1250                           | 4200                         |
| WINCHESTER   | 209  | SR7625                    | 29.0   | REM.               | TGT12       | 24           | 1330                           | 4900                         |
| WINCHESTER   | 209  | SR7625                    | 24.5   | FED.               | 12S0        | 24           | 1155                           | 3700                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | FED.               | 12S0        | 24           | 1200                           | 4000                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | FED.               | 12S0        | 24           | 1255                           | 4500                         |
| WINCHESTER   | 209  | SR7625                    | 29.0   | FED.               | 12S0        | 24           | 1330                           | 5200                         |
| WINCHESTER   | 209  | SR7625                    | 23.5*  | ACTIV              | TG-30       | 24           | 1140                           | 3900                         |
| WINCHESTER   | 209  | SR7625                    | 25.0*  | ACTIV              | TG-30       | 24           | 1200                           | 4400                         |
| WINCHESTER   | 209  | SR7625                    | 26.5*  | ACTIV              | TG-30       | 24           | 1260                           | 5000                         |
| WINCHESTER   | 209  | SR7625                    | 28.0*  | ACTIV              | TG-30       | 24           | 1320                           | 5600                         |
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b>              |      |                           |        |                    |             | Grams**      |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 14.5*  | WIN.               | WAA12SL     | 24           | 1140                           | 6500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 24           | 1195                           | 7300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5*  | WIN.               | WAA12SL     | 24           | 1245                           | 8200                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 24           | 1335                           | 10000                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0*  | CB.                | CB2100-12   | 24           | 1155                           | 5900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0*  | CB.                | CB2100-12   | 24           | 1205                           | 6700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0*  | CB.                | CB2100-12   | 24           | 1255                           | 7600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5*  | CB.                | CB2100-12   | 24           | 1330                           | 8900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0*  | REM.               | TGT12       | 24           | 1160                           | 6500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 24           | 1210                           | 7400                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 24           | 1265                           | 8300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 24           | 1335                           | 9600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 24           | 1155                           | 6100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | CB.                | CB2100-12   | 24           | 1210                           | 6800                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | CB.                | CB2100-12   | 24           | 1260                           | 7600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5   | CB.                | CB2100-12   | 24           | 1325                           | 8600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 24           | 1160                           | 6600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S0        | 24           | 1210                           | 7400                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S0        | 24           | 1260                           | 8100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S0        | 24           | 1325                           | 9200                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 14.5   | ACTIV              | TG-30       | 24           | 1155                           | 6900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5   | ACTIV              | TG-30       | 24           | 1200                           | 7600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5   | ACTIV              | TG-30       | 24           | 1250                           | 8300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | ACTIV              | TG-30       | 24           | 1320                           | 9600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.0*  | WIN.               | WAA12SL     | 24           | 1155                           | 6400                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | WIN.               | WAA12SL     | 24           | 1210                           | 7200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.0*  | WIN.               | WAA12SL     | 24           | 1255                           | 7900                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 24           | 1320                           | 8900                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.5*  | CB.                | CB2100-12   | 24           | 1155                           | 5500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.5*  | CB.                | CB2100-12   | 24           | 1210                           | 6400                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5*  | CB.                | CB2100-12   | 24           | 1260                           | 7200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.0*  | CB.                | CB2100-12   | 24           | 1335                           | 8400                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.0*  | REM.               | TGT12       | 24           | 1150                           | 5800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 24           | 1200                           | 6600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 24           | 1250                           | 7300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.0*  | REM.               | TGT12       | 24           | 1335                           | 8700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 24           | 1150                           | 5700                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |                    |             | Grams**      |                                |                              |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | CB.                | CB2100-12   | 24           | 1200                           | 6600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | CB.                | CB2100-12   | 24           | 1250                           | 7400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.5   | CB.                | CB2100-12   | 24           | 1330                           | 8600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 24           | 1150                           | 6100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S0        | 24           | 1205                           | 7200                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S0        | 24           | 1260                           | 8200                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S0        | 24           | 1340                           | 9800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | ACTIV              | TG-30       | 24           | 1155                           | 6400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | ACTIV              | TG-30       | 24           | 1210                           | 7300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | ACTIV              | TG-30       | 24           | 1260                           | 8200                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.5   | ACTIV              | TG-30       | 24           | 1330                           | 9300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0*  | WIN.               | WAA12SL     | 24           | 1160                           | 6700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0*  | WIN.               | WAA12SL     | 24           | 1210                           | 7600                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0*  | WIN.               | WAA12SL     | 24           | 1260                           | 8400                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 24           | 1335                           | 9700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0   | CB.                | CB1100-12   | 24           | 1140                           | 5300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0   | CB.                | CB1100-12   | 24           | 1200                           | 6300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | CB.                | CB1100-12   | 24           | 1250                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.5   | CB.                | CB1100-12   | 24           | 1325                           | 8500                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0*  | REM.               | TGT12       | 24           | 1155                           | 6300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 24           | 1205                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 24           | 1260                           | 8000                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 24           | 1335                           | 9200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 24           | 1145                           | 5700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0   | CB.                | CB2100-12   | 24           | 1200                           | 6400                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | CB.                | CB2100-12   | 24           | 1255                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.5   | CB.                | CB2100-12   | 24           | 1335                           | 8500                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 24           | 1160                           | 6300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S0        | 24           | 1215                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S0        | 24           | 1265                           | 8100                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S0        | 24           | 1335                           | 9400                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 14.5   | ACTIV              | TG-30       | 24           | 1135                           | 6200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | ACTIV              | TG-30       | 24           | 1190                           | 7100                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | ACTIV              | TG-30       | 24           | 1265                           | 8500                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.5   | ACTIV              | TG-30       | 24           | 1335                           | 9700                         |
| FEDERAL   | 209A | PB                        | 17.5   | WIN.               | WAA12SL     | 24           | 1155                           | 6400                         |
| FEDERAL   | 209A | PB                        | 18.5   | WIN.               | WAA12SL     | 24           | 1200                           | 7100                         |
| FEDERAL   | 209A | PB                        | 20.0   | WIN.               | WAA12SL     | 24           | 1265                           | 8100                         |
| FEDERAL   | 209A | PB                        | 21.5   | WIN.               | WAA12SL     | 24           | 1330                           | 9000                         |
| FEDERAL   | 209A | PB                        | 18.0   | CB.                | CB1100-12   | 24           | 1140                           | 5100                         |
| FEDERAL   | 209A | PB                        | 19.5   | CB.                | CB1100-12   | 24           | 1205                           | 6100                         |
| FEDERAL   | 209A | PB                        | 20.5   | CB.                | CB1100-12   | 24           | 1250                           | 6800                         |
| FEDERAL   | 209A | PB                        | 22.5   | CB.                | CB1100-12   | 24           | 1330                           | 7800                         |
| FEDERAL   | 209A | PB                        | 18.0   | REM.               | TGT12       | 24           | 1145                           | 5500                         |
| FEDERAL   | 209A | PB                        | 19.5   | REM.               | TGT12       | 24           | 1205                           | 6300                         |
| FEDERAL   | 209A | PB                        | 20.5   | REM.               | TGT12       | 24           | 1250                           | 6700                         |
| FEDERAL   | 209A | PB                        | 22.5   | REM.               | TGT12       | 24           | 1330                           | 7800                         |
| FEDERAL   | 209A | PB                        | 18.0   | 12S0               | 12S0        | 24           | 1155                           | 6300                         |
| FEDERAL   | 209A | PB                        | 19.0   | 12S0               | 12S0        | 24           | 1195                           | 6900                         |
| FEDERAL   | 209A | PB                        | 20.5   | 12S0               | 12S0        | 24           | 1255                           | 7800                         |
| FEDERAL   | 209A | PB                        | 22.0   | 12S0               | 12S0        | 24           | 1320                           | 8700                         |
| FEDERAL   | 209A | PB                        | 18.5   | ACTIV              | TG-30       | 24           | 1150                           | 5800                         |
| FEDERAL   | 209A | PB                        | 19.5   | ACTIV              | TG-30       | 24           | 1190                           | 6300                         |
| FEDERAL   | 209A | PB                        | 21.0   | ACTIV              | TG-30       | 24           | 1255                           | 7100                         |
| FEDERAL   | 209A | PB                        | 22.5   | ACTIV              | TG-30       | 24           | 1320                           | 8000                         |
| REMINGTON   | 209P | PB                        | 18.5   | WIN.               | WAA12SL     | 24           | 1145                           | 5400                         |
| REMINGTON   | 209P | PB                        | 19.5   | WIN.               | WAA12SL     | 24           | 1195                           | 6200                         |
| REMINGTON   | 209P | PB                        | 21.0   | WIN.               | WAA12SL     | 24           | 1265                           | 7300                         |
| REMINGTON   | 209P | PB                        | 22.5   | WIN.               | WAA12SL     | 24           | 1325                           | 8000                         |
| REMINGTON   | 209P | PB                        | 19.5   | CB.                | CB1100-12   | 24           | 1140                           | 4300                         |
| REMINGTON   | 209P | PB                        | 21.0   | CB.                | CB1100-12   | 24           | 1205                           | 5100                         |
| REMINGTON   | 209P | PB                        | 22.0   | CB.                | CB1100-12   | 24           | 1250                           | 5600                         |
| REMINGTON   | 209P | PB                        | 24.0   | CB.                | CB1100-12   | 24           | 1330                           | 6400                         |
| REMINGTON   | 209P | PB                        | 19.5   | REM.               | TGT12       | 24           | 1155                           | 4800                         |
| REMINGTON   | 209P | PB                        | 20.5   | REM.               | TGT12       | 24           | 1195                           | 5200                         |
| REMINGTON   | 209P | PB                        | 22.0   | REM.               | TGT12       | 24           | 1260                           | 6000                         |

\*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP      \*\*24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |                    |             | Grams**      |                                |                              |
| REMINGTON   | 209P | PB                        | 23.5   | REM.               | TG12        | 24           | 1325                           | 6900                         |
| REMINGTON   | 209P | PB                        | 19.0   | FED.               | 12S0        | 24           | 1145                           | 5300                         |
| REMINGTON   | 209P | PB                        | 20.5   | FED.               | 12S0        | 24           | 1210                           | 6300                         |
| REMINGTON   | 209P | PB                        | 21.5   | FED.               | 12S0        | 24           | 1255                           | 6800                         |
| REMINGTON   | 209P | PB                        | 23.5   | FED.               | 12S0        | 24           | 1335                           | 7700                         |
| REMINGTON   | 209P | PB                        | 19.0   | ACTIV              | TG-30       | 24           | 1140                           | 5200                         |
| REMINGTON   | 209P | PB                        | 20.5   | ACTIV              | TG-30       | 24           | 1210                           | 6000                         |
| REMINGTON   | 209P | PB                        | 21.5   | ACTIV              | TG-30       | 24           | 1255                           | 6500                         |
| REMINGTON   | 209P | PB                        | 23.5   | ACTIV              | TG-30       | 24           | 1335                           | 7500                         |
| WINCHESTER  | 209  | PB                        | 18.0   | WIN.               | WAA12SL     | 24           | 1140                           | 5600                         |
| WINCHESTER  | 209  | PB                        | 19.5   | WIN.               | WAA12SL     | 24           | 1200                           | 6400                         |
| WINCHESTER  | 209  | PB                        | 20.5   | WIN.               | WAA12SL     | 24           | 1245                           | 7000                         |
| WINCHESTER  | 209  | PB                        | 22.5   | WIN.               | WAA12SL     | 24           | 1330                           | 8100                         |
| WINCHESTER  | 209  | PB                        | 19.0   | CB.                | CB1100-12   | 24           | 1145                           | 4700                         |
| WINCHESTER  | 209  | PB                        | 20.5   | CB.                | CB1100-12   | 24           | 1205                           | 5200                         |
| WINCHESTER  | 209  | PB                        | 21.5   | CB.                | CB1100-12   | 24           | 1245                           | 5600                         |
| WINCHESTER  | 209  | PB                        | 23.5   | CB.                | CB1100-12   | 24           | 1330                           | 6400                         |
| WINCHESTER  | 209  | PB                        | 19.0   | REM.               | TGT12       | 24           | 1155                           | 5200                         |
| WINCHESTER  | 209  | PB                        | 20.0   | REM.               | TGT12       | 24           | 1200                           | 5700                         |
| WINCHESTER  | 209  | PB                        | 21.0   | REM.               | TGT12       | 24           | 1245                           | 6200                         |
| WINCHESTER  | 209  | PB                        | 23.0   | REM.               | TGT12       | 24           | 1330                           | 7300                         |
| WINCHESTER  | 209  | PB                        | 19.0   | FED.               | 12S0        | 24           | 1145                           | 5400                         |
| WINCHESTER  | 209  | PB                        | 20.5   | FED.               | 12S0        | 24           | 1210                           | 6300                         |
| WINCHESTER  | 209  | PB                        | 21.5   | FED.               | 12S0        | 24           | 1250                           | 6800                         |
| WINCHESTER  | 209  | PB                        | 23.5   | FED.               | 12S0        | 24           | 1335                           | 7700                         |
| WINCHESTER  | 209  | PB                        | 19.0   | ACTIV              | TG-30       | 24           | 1155                           | 5700                         |
| WINCHESTER  | 209  | PB                        | 20.0   | ACTIV              | TG-30       | 24           | 1190                           | 6100                         |
| WINCHESTER  | 209  | PB                        | 21.5   | ACTIV              | TG-30       | 24           | 1255                           | 6900                         |
| WINCHESTER  | 209  | PB                        | 23.0   | ACTIV              | TG-30       | 24           | 1325                           | 7800                         |
| FEDERAL   | 209A | SR7625                    | 20.5   | WIN.               | WAA12SL     | 24           | 1155                           | 5700                         |
| FEDERAL   | 209A | SR7625                    | 21.5   | WIN.               | WAA12SL     | 24           | 1195                           | 6200                         |
| FEDERAL   | 209A | SR7625                    | 23.0   | WIN.               | WAA12SL     | 24           | 1250                           | 6800                         |
| FEDERAL   | 209A | SR7625                    | 25.0   | WIN.               | WAA12SL     | 24           | 1320                           | 7500                         |
| FEDERAL   | 209A | SR7625                    | 21.5   | CB.                | CB1100-12   | 24           | 1150                           | 4600                         |
| FEDERAL   | 209A | SR7625                    | 23.0   | CB.                | CB1100-12   | 24           | 1210                           | 5100                         |
| FEDERAL   | 209A | SR7625                    | 24.0   | CB.                | CB1100-12   | 24           | 1250                           | 5600                         |
| FEDERAL   | 209A | SR7625                    | 26.0   | CB.                | CB1100-12   | 24           | 1330                           | 6500                         |
| FEDERAL   | 209A | SR7625                    | 22.0*  | REM.               | FIG8        | 24           | 1150                           | 4700                         |
| FEDERAL   | 209A | SR7625                    | 23.0*  | REM.               | FIG8        | 24           | 1195                           | 5200                         |
| FEDERAL   | 209A | SR7625                    | 24.5*  | REM.               | FIG8        | 24           | 1260                           | 6000                         |
| FEDERAL   | 209A | SR7625                    | 26.0*  | REM.               | FIG8        | 24           | 1320                           | 6800                         |
| FEDERAL   | 209A | SR7625                    | 21.5   | FED.               | 12S0        | 24           | 1155                           | 5300                         |
| FEDERAL   | 209A | SR7625                    | 22.5   | FED.               | 12S0        | 24           | 1200                           | 5700                         |
| FEDERAL   | 209A | SR7625                    | 24.0   | FED.               | 12S0        | 24           | 1260                           | 6500                         |
| FEDERAL   | 209A | SR7625                    | 25.0   | FED.               | 12S0        | 24           | 1325                           | 7300                         |
| FEDERAL   | 209A | SR7625                    | 21.0   | ACTIV              | TG-30       | 24           | 1140                           | 5100                         |
| FEDERAL   | 209A | SR7625                    | 22.5   | ACTIV              | TG-30       | 24           | 1200                           | 5700                         |
| FEDERAL   | 209A | SR7625                    | 23.5   | ACTIV              | TG-30       | 24           | 1245                           | 6200                         |
| FEDERAL   | 209A | SR7625                    | 25.5   | ACTIV              | TG-30       | 24           | 1325                           | 7200                         |
| REMINGTON   | 209P | SR7625                    | 21.5   | WIN.               | WAA12SL     | 24           | 1155                           | 4800                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | WIN.               | WAA12SL     | 24           | 1205                           | 5300                         |
| REMINGTON   | 209P | SR7625                    | 24.5   | WIN.               | WAA12SL     | 24           | 1255                           | 5800                         |
| REMINGTON   | 209P | SR7625                    | 26.0   | WIN.               | WAA12SL     | 24           | 1325                           | 6800                         |
| REMINGTON   | 209P | SR7625                    | 23.5   | CB.                | CB1100-12   | 24           | 1145                           | 3200                         |
| REMINGTON   | 209P | SR7625                    | 25.0   | CB.                | CB1100-12   | 24           | 1205                           | 3800                         |
| REMINGTON   | 209P | SR7625                    | 26.0   | CB.                | CB1100-12   | 24           | 1250                           | 4400                         |
| REMINGTON   | 209P | SR7625                    | 27.5   | CB.                | CB1100-12   | 24           | 1320                           | 5300                         |
| REMINGTON   | 209P | SR7625                    | 22.0*  | REM.               | FIG8        | 24           | 1140                           | 4200                         |
| REMINGTON   | 209P | SR7625                    | 23.5*  | REM.               | FIG8        | 24           | 1205                           | 4900                         |
| REMINGTON   | 209P | SR7625                    | 24.5*  | REM.               | FIG8        | 24           | 1245                           | 5300                         |
| REMINGTON   | 209P | SR7625                    | 26.5*  | REM.               | FIG8        | 24           | 1325                           | 6200                         |
| REMINGTON   | 209P | SR7625                    | 21.5   | FED.               | 12S0        | 24           | 1155                           | 4600                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | FED.               | 12S0        | 24           | 1210                           | 5300                         |
| REMINGTON   | 209P | SR7625                    | 24.0   | FED.               | 12S0        | 24           | 1250                           | 5800                         |
| REMINGTON   | 209P | SR7625                    | 26.0   | FED.               | 12S0        | 24           | 1335                           | 6900                         |
| REMINGTON   | 209P | SR7625                    | 21.5   | ACTIV              | TG-30       | 24           | 1155                           | 4900                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | ACTIV              | TG-30       | 24           | 1210                           | 5200                         |
| REMINGTON   | 209P | SR7625                    | 24.5   | ACTIV              | TG-30       | 24           | 1260                           | 5600                         |
| REMINGTON   | 209P | SR7625                    | 26.0   | ACTIV              | TG-30       | 24           | 1320                           | 6300                         |

\*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP     \*\*24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |                    |             |              | <b>Grams**</b>                 |                              |
| WINCHESTER  | 209  | SR7625                    | 21.0   | WIN.               | WAA12SL     | 24           | 1160                           | 5300                         |
| WINCHESTER  | 209  | SR7625                    | 22.0   | WIN.               | WAA12SL     | 24           | 1205                           | 5900                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | WIN.               | WAA12SL     | 24           | 1250                           | 6400                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | WIN.               | WAA12SL     | 24           | 1320                           | 7300                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | CB.                | CB1100-12   | 24           | 1145                           | 3800                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | CB.                | CB1100-12   | 24           | 1210                           | 4400                         |
| WINCHESTER  | 209  | SR7625                    | 25.5   | CB.                | CB1100-12   | 24           | 1255                           | 4900                         |
| WINCHESTER  | 209  | SR7625                    | 27.0   | CB.                | CB1100-12   | 24           | 1325                           | 5700                         |
| WINCHESTER  | 209  | SR7625                    | 22.5*  | REM.               | FIG8        | 24           | 1160                           | 4600                         |
| WINCHESTER  | 209  | SR7625                    | 23.5*  | REM.               | FIG8        | 24           | 1205                           | 5100                         |
| WINCHESTER  | 209  | SR7625                    | 24.5*  | REM.               | FIG8        | 24           | 1245                           | 5600                         |
| WINCHESTER  | 209  | SR7625                    | 26.5*  | REM.               | FIG8        | 24           | 1325                           | 6500                         |
| WINCHESTER  | 209  | SR7625                    | 22.5   | FED.               | 12S0        | 24           | 1160                           | 4800                         |
| WINCHESTER  | 209  | SR7625                    | 23.5   | FED.               | 12S0        | 24           | 1210                           | 5300                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | FED.               | 12S0        | 24           | 1255                           | 6000                         |
| WINCHESTER  | 209  | SR7625                    | 26.0   | FED.               | 12S0        | 24           | 1325                           | 6900                         |
| WINCHESTER  | 209  | SR7625                    | 21.5   | ACTIV              | TG-30       | 24           | 1145                           | 5000                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | ACTIV              | TG-30       | 24           | 1205                           | 5600                         |
| WINCHESTER  | 209  | SR7625                    | 24.0   | ACTIV              | TG-30       | 24           | 1250                           | 6100                         |
| WINCHESTER  | 209  | SR7625                    | 25.5   | ACTIV              | TG-30       | 24           | 1320                           | 7000                         |
| <b>SHELL: WINCHESTER AA</b>                         |      |                           |        |                    |             |              | <b>Grams**</b>                 |                              |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 14.5*  | WIN.               | WAA12SL     | 24           | 1145                           | 6400                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 24           | 1195                           | 7000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0*  | WIN.               | WAA12SL     | 24           | 1260                           | 8100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 24           | 1320                           | 9100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 14.5*  | CB.                | CB1100-12   | 24           | 1140                           | 5700                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.5*  | CB.                | CB1100-12   | 24           | 1190                           | 6400                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0*  | CB.                | CB1100-12   | 24           | 1260                           | 7400                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5*  | CB.                | CB1100-12   | 24           | 1325                           | 8300                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 14.5*  | REM.               | TGT12       | 24           | 1140                           | 6000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 24           | 1210                           | 7000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 24           | 1255                           | 7800                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 24           | 1320                           | 8600                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 24           | 1160                           | 5900                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | CB.                | CB2100-12   | 24           | 1210                           | 6700                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0   | CB.                | CB2100-12   | 24           | 1260                           | 7500                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5   | CB.                | CB2100-12   | 24           | 1325                           | 8600                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 24           | 1150                           | 6400                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S0        | 24           | 1200                           | 7100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S0        | 24           | 1250                           | 7900                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S0        | 24           | 1325                           | 9000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | ACTIV              | TG-30       | 24           | 1145                           | 6000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | ACTIV              | TG-30       | 24           | 1205                           | 7100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0   | ACTIV              | TG-30       | 24           | 1255                           | 8000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5   | ACTIV              | TG-30       | 24           | 1320                           | 9100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0*  | WIN.               | WAA12SL     | 24           | 1140                           | 5300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5*  | WIN.               | WAA12SL     | 24           | 1200                           | 6000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0*  | WIN.               | WAA12SL     | 24           | 1265                           | 6800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5*  | WIN.               | WAA12SL     | 24           | 1330                           | 7600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0*  | CB.                | CB1100-12   | 24           | 1145                           | 4100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.5*  | CB.                | CB1100-12   | 24           | 1200                           | 4800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.0*  | CB.                | CB1100-12   | 24           | 1265                           | 5500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 20.5*  | CB.                | CB1100-12   | 24           | 1335                           | 6400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5*  | REM.               | TGT12       | 24           | 1150                           | 5000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5*  | REM.               | TGT12       | 24           | 1190                           | 5500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0*  | REM.               | TGT12       | 24           | 1250                           | 6100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 20.5*  | REM.               | TGT12       | 24           | 1325                           | 6800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 24           | 1140                           | 4800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | CB.                | CB2100-12   | 24           | 1200                           | 5200                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | CB.                | CB2100-12   | 24           | 1255                           | 5600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 20.0   | CB.                | CB2100-12   | 24           | 1325                           | 6300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 24           | 1150                           | 5000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | FED.               | 12S0        | 24           | 1190                           | 5600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S0        | 24           | 1250                           | 6300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5   | FED.               | 12S0        | 24           | 1320                           | 7600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | ACTIV              | TG-30       | 24           | 1145                           | 5400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | ACTIV              | TG-30       | 24           | 1200                           | 6100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | ACTIV              | TG-30       | 24           | 1255                           | 6700                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 20.0   | ACTIV              | TG-30       | 24           | 1330                           | 7500                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b> |      |                           |        |                    |             |              |                                |                              |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 14.5*  | WIN.               | WAA12SL     | 24           | 1140                           | 6300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 24           | 1190                           | 7100                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.0*  | WIN.               | WAA12SL     | 24           | 1260                           | 8200                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 24           | 1325                           | 9100                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 14.5*  | CB.                | CB1100-12   | 24           | 1135                           | 5600                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5*  | CB.                | CB1100-12   | 24           | 1190                           | 6300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.0*  | CB.                | CB1100-12   | 24           | 1260                           | 7300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.5*  | CB.                | CB1100-12   | 24           | 1325                           | 8400                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 14.5*  | REM.               | TGT12       | 24           | 1140                           | 6000                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 24           | 1205                           | 6900                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 24           | 1250                           | 7600                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 24           | 1320                           | 8700                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 24           | 1140                           | 5400                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.0   | CB.                | CB2100-12   | 24           | 1195                           | 6400                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.0   | CB.                | CB2100-12   | 24           | 1250                           | 7200                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.5   | CB.                | CB2100-12   | 24           | 1320                           | 8600                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 14.5   | FED.               | 12SO        | 24           | 1145                           | 6600                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5   | FED.               | 12SO        | 24           | 1195                           | 7300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.0   | FED.               | 12SO        | 24           | 1265                           | 8300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.5   | FED.               | 12SO        | 24           | 1325                           | 9300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.0   | ACTIV              | TG-30       | 24           | 1150                           | 6200                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.0   | ACTIV              | TG-30       | 24           | 1205                           | 7200                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.0   | ACTIV              | TG-30       | 24           | 1255                           | 7900                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.5   | ACTIV              | TG-30       | 24           | 1320                           | 8900                         |
| <b>FEDERAL</b>              |      |                           |        |                    |             |              |                                |                              |
| FEDERAL                     | 209A | PB                        | 18.0   | WIN.               | WAA12SL     | 24           | 1160                           | 5800                         |
| FEDERAL                     | 209A | PB                        | 19.0   | WIN.               | WAA12SL     | 24           | 1195                           | 6200                         |
| FEDERAL                     | 209A | PB                        | 20.5   | WIN.               | WAA12SL     | 24           | 1255                           | 6900                         |
| FEDERAL                     | 209A | PB                        | 22.5   | WIN.               | WAA12SL     | 24           | 1330                           | 7800                         |
| FEDERAL                     | 209A | PB                        | 18.5   | CB.                | CB1100-12   | 24           | 1155                           | 4900                         |
| FEDERAL                     | 209A | PB                        | 20.0   | CB.                | CB1100-12   | 24           | 1205                           | 5300                         |
| FEDERAL                     | 209A | PB                        | 21.0   | CB.                | CB1100-12   | 24           | 1245                           | 5600                         |
| FEDERAL                     | 209A | PB                        | 23.0   | CB.                | CB1100-12   | 24           | 1320                           | 6600                         |
| FEDERAL                     | 209A | PB                        | 18.0*  | REM.               | FIG8        | 24           | 1145                           | 5200                         |
| FEDERAL                     | 209A | PB                        | 19.5*  | REM.               | FIG8        | 24           | 1200                           | 5800                         |
| FEDERAL                     | 209A | PB                        | 21.0*  | REM.               | FIG8        | 24           | 1255                           | 6500                         |
| FEDERAL                     | 209A | PB                        | 23.0*  | REM.               | FIG8        | 24           | 1325                           | 7200                         |
| FEDERAL                     | 209A | PB                        | 18.5   | FED.               | 12SO        | 24           | 1150                           | 5500                         |
| FEDERAL                     | 209A | PB                        | 19.5   | FED.               | 12SO        | 24           | 1190                           | 6000                         |
| FEDERAL                     | 209A | PB                        | 21.0   | FED.               | 12SO        | 24           | 1250                           | 6600                         |
| FEDERAL                     | 209A | PB                        | 23.0   | FED.               | 12SO        | 24           | 1330                           | 7900                         |
| FEDERAL                     | 209A | PB                        | 18.5   | ACTIV              | TG-30       | 24           | 1140                           | 5100                         |
| FEDERAL                     | 209A | PB                        | 20.0   | ACTIV              | TG-30       | 24           | 1205                           | 6000                         |
| FEDERAL                     | 209A | PB                        | 21.0   | ACTIV              | TG-30       | 24           | 1255                           | 6700                         |
| FEDERAL                     | 209A | PB                        | 23.0   | ACTIV              | TG-30       | 24           | 1330                           | 7700                         |
| <b>REMINGTON</b>            |      |                           |        |                    |             |              |                                |                              |
| REMINGTON                   | 209P | PB                        | 18.5   | WIN.               | WINAA12SL   | 24           | 1140                           | 4800                         |
| REMINGTON                   | 209P | PB                        | 20.0   | WIN.               | WINAA12SL   | 24           | 1195                           | 5400                         |
| REMINGTON                   | 209P | PB                        | 21.5   | WIN.               | WINAA12SL   | 24           | 1255                           | 6100                         |
| REMINGTON                   | 209P | PB                        | 23.5   | WIN.               | WINAA12SL   | 24           | 1335                           | 7200                         |
| REMINGTON                   | 209P | PB                        | 19.5   | CB.                | CB1100-12   | 24           | 1155                           | 4200                         |
| REMINGTON                   | 209P | PB                        | 20.5   | CB.                | CB1100-12   | 24           | 1195                           | 4500                         |
| REMINGTON                   | 209P | PB                        | 22.0   | CB.                | CB1100-12   | 24           | 1250                           | 5000                         |
| REMINGTON                   | 209P | PB                        | 24.5   | CB.                | CB1100-12   | 24           | 1330                           | 5700                         |
| REMINGTON                   | 209P | PB                        | 19.5*  | REM.               | FIG8        | 24           | 1150                           | 4500                         |
| REMINGTON                   | 209P | PB                        | 20.5*  | REM.               | FIG8        | 24           | 1190                           | 5000                         |
| REMINGTON                   | 209P | PB                        | 22.0*  | REM.               | FIG8        | 24           | 1255                           | 5800                         |
| REMINGTON                   | 209P | PB                        | 23.5*  | REM.               | FIG8        | 24           | 1320                           | 6700                         |
| REMINGTON                   | 209P | PB                        | 19.5   | FED.               | 12SO        | 24           | 1155                           | 4900                         |
| REMINGTON                   | 209P | PB                        | 20.5   | FED.               | 12SO        | 24           | 1200                           | 5400                         |
| REMINGTON                   | 209P | PB                        | 22.0   | FED.               | 12SO        | 24           | 1255                           | 6100                         |
| REMINGTON                   | 209P | PB                        | 24.0   | FED.               | 12SO        | 24           | 1325                           | 6800                         |
| REMINGTON                   | 209P | PB                        | 19.5   | ACTIV              | TG-30       | 24           | 1150                           | 4700                         |
| REMINGTON                   | 209P | PB                        | 20.5   | ACTIV              | TG-30       | 24           | 1190                           | 5100                         |
| REMINGTON                   | 209P | PB                        | 22.0   | ACTIV              | TG-30       | 24           | 1255                           | 5800                         |
| REMINGTON                   | 209P | PB                        | 23.5   | ACTIV              | TG-30       | 24           | 1320                           | 6500                         |
| <b>WINCHESTER</b>           |      |                           |        |                    |             |              |                                |                              |
| WINCHESTER                  | 209  | PB                        | 18.0   | WIN.               | WAA12SL     | 24           | 1145                           | 5500                         |
| WINCHESTER                  | 209  | PB                        | 19.5   | WIN.               | WAA12SL     | 24           | 1200                           | 6000                         |
| WINCHESTER                  | 209  | PB                        | 21.0   | WIN.               | WAA12SL     | 24           | 1260                           | 6500                         |
| WINCHESTER                  | 209  | PB                        | 22.5   | WIN.               | WAA12SL     | 24           | 1325                           | 7500                         |
| WINCHESTER                  | 209  | PB                        | 19.0   | CB.                | CB1100-12   | 24           | 1155                           | 4500                         |
| WINCHESTER                  | 209  | PB                        | 20.5   | CB.                | CB1100-12   | 24           | 1205                           | 5000                         |
| WINCHESTER                  | 209  | PB                        | 22.0   | CB.                | CB1100-12   | 24           | 1260                           | 5600                         |
| WINCHESTER                  | 209  | PB                        | 23.5   | CB.                | CB1100-12   | 24           | 1325                           | 6300                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 24 GRAM LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------|------|---------------------------|--------|--------------------|-------------|--------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b> |      |                           |        |                    |             |              |                                |                              |
| WINCHESTER                  | 209  | PB                        | 19.0*  | REM.               | FIG8        | 24           | 1145                           | 4900                         |
| WINCHESTER                  | 209  | PB                        | 20.5*  | REM.               | FIG8        | 24           | 1200                           | 5400                         |
| WINCHESTER                  | 209  | PB                        | 22.0*  | REM.               | FIG8        | 24           | 1255                           | 6100                         |
| WINCHESTER                  | 209  | PB                        | 23.5*  | REM.               | FIG8        | 24           | 1320                           | 6800                         |
| WINCHESTER                  | 209  | PB                        | 19.0   | FED.               | 12S0        | 24           | 1155                           | 5200                         |
| WINCHESTER                  | 209  | PB                        | 20.0   | FED.               | 12S0        | 24           | 1195                           | 5800                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | FED.               | 12S0        | 24           | 1260                           | 6600                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | FED.               | 12S0        | 24           | 1325                           | 7500                         |
| WINCHESTER                  | 209  | PB                        | 19.0   | ACTIV              | TG-30       | 24           | 1135                           | 4900                         |
| WINCHESTER                  | 209  | PB                        | 20.5   | ACTIV              | TG-30       | 24           | 1205                           | 5700                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | ACTIV              | TG-30       | 24           | 1250                           | 6300                         |
| WINCHESTER                  | 209  | PB                        | 23.5   | ACTIV              | TG-30       | 24           | 1330                           | 7300                         |
| Grams**                     |      |                           |        |                    |             |              |                                |                              |
| FEDERAL                     | 209A | SR7625                    | 21.0   | WIN.               | WAA12SL     | 24           | 1150                           | 4600                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | WIN.               | WAA12SL     | 24           | 1200                           | 5000                         |
| FEDERAL                     | 209A | SR7625                    | 24.0   | WIN.               | WAA12SL     | 24           | 1250                           | 5400                         |
| FEDERAL                     | 209A | SR7625                    | 26.0   | WIN.               | WAA12SL     | 24           | 1330                           | 6400                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | CB.                | CB1100-12   | 24           | 1155                           | 3700                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | CB.                | CB1100-12   | 24           | 1195                           | 4000                         |
| FEDERAL                     | 209A | SR7625                    | 25.0   | CB.                | CB1100-12   | 24           | 1250                           | 4600                         |
| FEDERAL                     | 209A | SR7625                    | 27.0   | CB.                | CB1100-12   | 24           | 1335                           | 5500                         |
| FEDERAL                     | 209A | SR7625                    | 22.0*  | REM.               | FIG8        | 24           | 1150                           | 4200                         |
| FEDERAL                     | 209A | SR7625                    | 23.0*  | REM.               | FIG8        | 24           | 1195                           | 4700                         |
| FEDERAL                     | 209A | SR7625                    | 24.5*  | REM.               | FIG8        | 24           | 1255                           | 5300                         |
| FEDERAL                     | 209A | SR7625                    | 26.5*  | REM.               | FIG8        | 24           | 1330                           | 6200                         |
| FEDERAL                     | 209A | SR7625                    | 22.0   | FED.               | 12S0        | 24           | 1150                           | 4400                         |
| FEDERAL                     | 209A | SR7625                    | 23.0   | FED.               | 12S0        | 24           | 1195                           | 4800                         |
| FEDERAL                     | 209A | SR7625                    | 24.5   | FED.               | 12S0        | 24           | 1255                           | 5400                         |
| FEDERAL                     | 209A | SR7625                    | 26.0   | FED.               | 12S0        | 24           | 1320                           | 6400                         |
| FEDERAL                     | 209A | SR7625                    | 21.5   | ACTIV              | TG-30       | 24           | 1145                           | 4200                         |
| FEDERAL                     | 209A | SR7625                    | 23.0   | ACTIV              | TG-30       | 24           | 1205                           | 4900                         |
| FEDERAL                     | 209A | SR7625                    | 24.0   | ACTIV              | TG-30       | 24           | 1250                           | 5400                         |
| FEDERAL                     | 209A | SR7625                    | 26.0   | ACTIV              | TG-30       | 24           | 1325                           | 6400                         |
| REMINGTON                   | 209P | SR7625                    | 22.5   | WIN.               | WAA12SL     | 24           | 1150                           | 3700                         |
| REMINGTON                   | 209P | SR7625                    | 24.0   | WIN.               | WAA12SL     | 24           | 1210                           | 4400                         |
| REMINGTON                   | 209P | SR7625                    | 25.0   | WIN.               | WAA12SL     | 24           | 1250                           | 4800                         |
| REMINGTON                   | 209P | SR7625                    | 27.0   | WIN.               | WAA12SL     | 24           | 1320                           | 5500                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | CB.                | CB1100-12   | 24           | 1145                           | 3000                         |
| REMINGTON                   | 209P | SR7625                    | 25.0   | CB.                | CB1100-12   | 24           | 1205                           | 3500                         |
| REMINGTON                   | 209P | SR7625                    | 26.5   | CB.                | CB1100-12   | 24           | 1265                           | 4100                         |
| REMINGTON                   | 209P | SR7625                    | 28.0   | CB.                | CB1100-12   | 24           | 1330                           | 4700                         |
| REMINGTON                   | 209P | SR7625                    | 23.0*  | REM.               | FIG8        | 24           | 1150                           | 3700                         |
| REMINGTON                   | 209P | SR7625                    | 24.0*  | REM.               | FIG8        | 24           | 1195                           | 4200                         |
| REMINGTON                   | 209P | SR7625                    | 25.5*  | REM.               | FIG8        | 24           | 1255                           | 4800                         |
| REMINGTON                   | 209P | SR7625                    | 27.5*  | REM.               | FIG8        | 24           | 1335                           | 5700                         |
| REMINGTON                   | 209P | SR7625                    | 22.5   | FED.               | 12S0        | 24           | 1140                           | 4000                         |
| REMINGTON                   | 209P | SR7625                    | 24.0   | FED.               | 12S0        | 24           | 1190                           | 4400                         |
| REMINGTON                   | 209P | SR7625                    | 25.5   | FED.               | 12S0        | 24           | 1250                           | 5200                         |
| REMINGTON                   | 209P | SR7625                    | 27.0   | FED.               | 12S0        | 24           | 1320                           | 6000                         |
| REMINGTON                   | 209P | SR7625                    | 22.5   | ACTIV              | TG-30       | 24           | 1150                           | 3900                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | ACTIV              | TG-30       | 24           | 1195                           | 4400                         |
| REMINGTON                   | 209P | SR7625                    | 25.0   | ACTIV              | TG-30       | 24           | 1250                           | 4900                         |
| REMINGTON                   | 209P | SR7625                    | 27.5   | ACTIV              | TG-30       | 24           | 1325                           | 5600                         |
| WINCHESTER                  | 209  | SR7625                    | 22.5   | WIN.               | WAA12SL     | 24           | 1150                           | 4200                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | WIN.               | WAA12SL     | 24           | 1195                           | 4700                         |
| WINCHESTER                  | 209  | SR7625                    | 25.0   | WIN.               | WAA12SL     | 24           | 1255                           | 5300                         |
| WINCHESTER                  | 209  | SR7625                    | 27.0   | WIN.               | WAA12SL     | 24           | 1330                           | 6000                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | CB.                | CB1100-12   | 24           | 1150                           | 3500                         |
| WINCHESTER                  | 209  | SR7625                    | 24.5   | CB.                | CB1100-12   | 24           | 1190                           | 3700                         |
| WINCHESTER                  | 209  | SR7625                    | 26.0   | CB.                | CB1100-12   | 24           | 1250                           | 4300                         |
| WINCHESTER                  | 209  | SR7625                    | 28.0   | CB.                | CB1100-12   | 24           | 1330                           | 5000                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0*  | REM.               | FIG8        | 24           | 1155                           | 4300                         |
| WINCHESTER                  | 209  | SR7625                    | 23.0*  | REM.               | FIG8        | 24           | 1190                           | 4600                         |
| WINCHESTER                  | 209  | SR7625                    | 24.5*  | REM.               | FIG8        | 24           | 1245                           | 5100                         |
| WINCHESTER                  | 209  | SR7625                    | 26.5*  | REM.               | FIG8        | 24           | 1320                           | 5900                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | FED.               | 12S0        | 24           | 1140                           | 4100                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | FED.               | 12S0        | 24           | 1195                           | 4700                         |
| WINCHESTER                  | 209  | SR7625                    | 25.0   | FED.               | 12S0        | 24           | 1255                           | 5300                         |
| WINCHESTER                  | 209  | SR7625                    | 27.0   | FED.               | 12S0        | 24           | 1335                           | 6200                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | ACTIV              | TG-30       | 24           | 1140                           | 4200                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | ACTIV              | TG-30       | 24           | 1200                           | 4900                         |
| WINCHESTER                  | 209  | SR7625                    | 25.0   | ACTIV              | TG-30       | 24           | 1255                           | 5500                         |
| WINCHESTER                  | 209  | SR7625                    | 27.0   | ACTIV              | TG-30       | 24           | 1335                           | 6300                         |

\*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

\*\* 24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0*  | WIN.               | WAA12SL     | 1                     | 1100                           | 6000                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0*  | WIN.               | WAA12SL     | 1                     | 1150                           | 6900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0*  | WIN.               | WAA12SL     | 1                     | 1195                           | 7600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 1                     | 1250                           | 8500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0   | CB.                | CB2100-12   | 1                     | 1110                           | 6000                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | CB.                | CB2100-12   | 1                     | 1155                           | 6700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | CB.                | CB2100-12   | 1                     | 1200                           | 7300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | CB.                | CB2100-12   | 1                     | 1245                           | 7900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0*  | REM.               | TGT12       | 1                     | 1100                           | 5900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 1                     | 1145                           | 6500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 1                     | 1190                           | 7100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 1                     | 1255                           | 8100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 1                     | 1110                           | 6100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S0        | 1                     | 1155                           | 6700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S0        | 1                     | 1195                           | 7300                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S0        | 1                     | 1250                           | 8200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 1                     | 1090                           | 5800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.5*  | WIN.               | WAA12SL     | 1                     | 1150                           | 6600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5*  | WIN.               | WAA12SL     | 1                     | 1195                           | 7300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.0*  | WIN.               | WAA12SL     | 1                     | 1260                           | 8400                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.5   | CB.                | CB2100-12   | 1                     | 1095                           | 5300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.5   | CB.                | CB2100-12   | 1                     | 1145                           | 5800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.0   | CB.                | CB2100-12   | 1                     | 1200                           | 6600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.5   | CB.                | CB2100-12   | 1                     | 1255                           | 7400                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0*  | REM.               | TGT12       | 1                     | 1110                           | 5700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.0*  | REM.               | TGT12       | 1                     | 1155                           | 6200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.0*  | REM.               | TGT12       | 1                     | 1195                           | 6600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.5*  | REM.               | TGT12       | 1                     | 1255                           | 7300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S0        | 1                     | 1110                           | 5700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S0        | 1                     | 1145                           | 6300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S0        | 1                     | 1210                           | 7300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 19.5   | FED.               | 12S0        | 1                     | 1250                           | 8000                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5*  | WIN.               | WAA12SL     | 1                     | 1105                           | 6000                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5*  | WIN.               | WAA12SL     | 1                     | 1150                           | 6700                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5*  | WIN.               | WAA12SL     | 1                     | 1200                           | 7600                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.5*  | WIN.               | WAA12SL     | 1                     | 1250                           | 8500                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5   | CB.                | CB2100-12   | 1                     | 1110                           | 5700                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5   | CB.                | CB2100-12   | 1                     | 1160                           | 6400                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5   | CB.                | CB2100-12   | 1                     | 1200                           | 7000                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.0   | CB.                | CB2100-12   | 1                     | 1260                           | 8100                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5*  | REM.               | TGT12       | 1                     | 1100                           | 5900                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5*  | REM.               | TGT12       | 1                     | 1145                           | 6600                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5*  | REM.               | TGT12       | 1                     | 1195                           | 7200                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.5*  | REM.               | TGT12       | 1                     | 1245                           | 7800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S0        | 1                     | 1105                           | 5900                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.5   | FED.               | 12S0        | 1                     | 1155                           | 6700                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.5   | FED.               | 12S0        | 1                     | 1200                           | 7300                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S0        | 1                     | 1245                           | 7800                         |
| FEDERAL  | 209A | PB                        | 18.0   | WIN.               | WAA12SL     | 1                     | 1110                           | 6000                         |
| FEDERAL  | 209A | PB                        | 19.5   | WIN.               | WAA12SL     | 1                     | 1155                           | 6600                         |
| FEDERAL  | 209A | PB                        | 21.0   | WIN.               | WAA12SL     | 1                     | 1205                           | 7100                         |
| FEDERAL  | 209A | PB                        | 22.5   | WIN.               | WAA12SL     | 1                     | 1255                           | 7600                         |
| FEDERAL  | 209A | PB                        | 20.0   | CB.                | CB1100-12   | 1                     | 1100                           | 4600                         |
| FEDERAL  | 209A | PB                        | 21.5   | CB.                | CB1100-12   | 1                     | 1150                           | 5100                         |
| FEDERAL  | 209A | PB                        | 23.0   | CB.                | CB1100-12   | 1                     | 1205                           | 5700                         |
| FEDERAL  | 209A | PB                        | 24.0   | CB.                | CB1100-12   | 1                     | 1255                           | 6300                         |
| FEDERAL  | 209A | PB                        | 19.5   | REM.               | TGT12       | 1                     | 1105                           | 5100                         |
| FEDERAL  | 209A | PB                        | 20.5   | REM.               | TGT12       | 1                     | 1140                           | 5500                         |
| FEDERAL  | 209A | PB                        | 22.0   | REM.               | TGT12       | 1                     | 1195                           | 6200                         |
| FEDERAL  | 209A | PB                        | 24.0   | REM.               | TGT12       | 1                     | 1260                           | 6800                         |
| FEDERAL  | 209A | PB                        | 19.5   | FED.               | 12S3        | 1                     | 1105                           | 5400                         |
| FEDERAL  | 209A | PB                        | 20.5   | FED.               | 12S3        | 1                     | 1145                           | 5900                         |
| FEDERAL  | 209A | PB                        | 22.0   | FED.               | 12S3        | 1                     | 1210                           | 6700                         |
| FEDERAL  | 209A | PB                        | 23.0   | FED.               | 12S3        | 1                     | 1260                           | 7100                         |
| REMINGTON  | 209P | PB                        | 20.0   | WIN.               | WAA12SL     | 1                     | 1095                           | 4700                         |
| REMINGTON  | 209P | PB                        | 21.5   | WIN.               | WAA12SL     | 1                     | 1155                           | 5300                         |
| REMINGTON  | 209P | PB                        | 22.5   | WIN.               | WAA12SL     | 1                     | 1195                           | 5800                         |
| REMINGTON  | 209P | PB                        | 24.0   | WIN.               | WAA12SL     | 1                     | 1260                           | 6600                         |
| REMINGTON  | 209P | PB                        | 21.0   | CB.                | CB1100-12   | 1                     | 1095                           | 3800                         |
| REMINGTON  | 209P | PB                        | 22.0   | CB.                | CB1100-12   | 1                     | 1140                           | 4300                         |
| REMINGTON  | 209P | PB                        | 23.5   | CB.                | CB1100-12   | 1                     | 1200                           | 5000                         |
| REMINGTON  | 209P | PB                        | 25.0   | CB.                | CB1100-12   | 1                     | 1255                           | 5600                         |

\*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON  | 209P | PB                        | 20.5   | REM.               | TGT12       | 1                     | 1090                           | 4300                         |
| REMINGTON  | 209P | PB                        | 22.0   | REM.               | TGT12       | 1                     | 1160                           | 5200                         |
| REMINGTON  | 209P | PB                        | 23.0   | REM.               | TGT12       | 1                     | 1205                           | 5700                         |
| REMINGTON  | 209P | PB                        | 24.0   | REM.               | TGT12       | 1                     | 1250                           | 6300                         |
| REMINGTON  | 209P | PB                        | 20.0   | FED.               | 12S3        | 1                     | 1105                           | 5200                         |
| REMINGTON  | 209P | PB                        | 21.0   | FED.               | 12S3        | 1                     | 1150                           | 5700                         |
| REMINGTON  | 209P | PB                        | 22.5   | FED.               | 12S3        | 1                     | 1210                           | 6600                         |
| REMINGTON  | 209P | PB                        | 23.5   | FED.               | 12S3        | 1                     | 1250                           | 7200                         |
| WINCHESTER   | 209  | PB                        | 19.5   | WIN.               | WAA12SL     | 1                     | 1090                           | 4900                         |
| WINCHESTER   | 209  | PB                        | 21.0   | WIN.               | WAA12SL     | 1                     | 1150                           | 5400                         |
| WINCHESTER   | 209  | PB                        | 22.5   | WIN.               | WAA12SL     | 1                     | 1205                           | 6000                         |
| WINCHESTER   | 209  | PB                        | 24.0   | WIN.               | WAA12SL     | 1                     | 1265                           | 6700                         |
| WINCHESTER   | 209  | PB                        | 20.5   | CB.                | CB1100-12   | 1                     | 1100                           | 4300                         |
| WINCHESTER   | 209  | PB                        | 21.5   | CB.                | CB1100-12   | 1                     | 1145                           | 4800                         |
| WINCHESTER   | 209  | PB                        | 23.0   | CB.                | CB1100-12   | 1                     | 1205                           | 5400                         |
| WINCHESTER   | 209  | PB                        | 24.5   | CB.                | CB1100-12   | 1                     | 1260                           | 6100                         |
| WINCHESTER   | 209  | PB                        | 20.0   | REM.               | TGT12       | 1                     | 1110                           | 5300                         |
| WINCHESTER   | 209  | PB                        | 21.0   | REM.               | TGT12       | 1                     | 1155                           | 5900                         |
| WINCHESTER   | 209  | PB                        | 22.0   | REM.               | TGT12       | 1                     | 1205                           | 6500                         |
| WINCHESTER   | 209  | PB                        | 23.5   | REM.               | TGT12       | 1                     | 1255                           | 7000                         |
| WINCHESTER   | 209  | PB                        | 19.5   | FED.               | 12S3        | 1                     | 1105                           | 5100                         |
| WINCHESTER   | 209  | PB                        | 21.0   | FED.               | 12S3        | 1                     | 1155                           | 5800                         |
| WINCHESTER   | 209  | PB                        | 22.5   | FED.               | 12S3        | 1                     | 1210                           | 6500                         |
| WINCHESTER   | 209  | PB                        | 23.5   | FED.               | 12S3        | 1                     | 1250                           | 6900                         |
| FEDERAL  | 209A | SR7625                    | 22.5   | WIN.               | WAA12SL     | 1                     | 1105                           | 4600                         |
| FEDERAL  | 209A | SR7625                    | 23.5   | WIN.               | WAA12SL     | 1                     | 1160                           | 5200                         |
| FEDERAL  | 209A | SR7625                    | 24.5   | WIN.               | WAA12SL     | 1                     | 1210                           | 5900                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | WIN.               | WAA12SL     | 1                     | 1265                           | 6600                         |
| FEDERAL  | 209A | SR7625                    | 22.5   | CB.                | CB2100-12   | 1                     | 1090                           | 4200                         |
| FEDERAL  | 209A | SR7625                    | 23.5   | CB.                | CB2100-12   | 1                     | 1140                           | 4700                         |
| FEDERAL  | 209A | SR7625                    | 25.0   | CB.                | CB2100-12   | 1                     | 1200                           | 5300                         |
| FEDERAL  | 209A | SR7625                    | 26.0   | CB.                | CB2100-12   | 1                     | 1250                           | 5800                         |
| FEDERAL  | 209A | SR7625                    | 22.0   | REM.               | TGT12       | 1                     | 1100                           | 4200                         |
| FEDERAL  | 209A | SR7625                    | 23.0   | REM.               | TGT12       | 1                     | 1145                           | 4800                         |
| FEDERAL  | 209A | SR7625                    | 24.0   | REM.               | TGT12       | 1                     | 1190                           | 5500                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | REM.               | TGT12       | 1                     | 1250                           | 6200                         |
| FEDERAL  | 209A | SR7625                    | 22.0   | FED.               | 12S3        | 1                     | 1090                           | 4500                         |
| FEDERAL  | 209A | SR7625                    | 23.5   | FED.               | 12S3        | 1                     | 1160                           | 5400                         |
| FEDERAL  | 209A | SR7625                    | 24.5   | FED.               | 12S3        | 1                     | 1210                           | 6000                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | FED.               | 12S3        | 1                     | 1255                           | 6600                         |
| WINCHESTER   | 209  | SR7625                    | 22.5   | WIN.               | WAA12SL     | 1                     | 1105                           | 4600                         |
| WINCHESTER   | 209  | SR7625                    | 23.5   | WIN.               | WAA12SL     | 1                     | 1150                           | 4900                         |
| WINCHESTER   | 209  | SR7625                    | 25.0   | WIN.               | WAA12SL     | 1                     | 1210                           | 5300                         |
| WINCHESTER   | 209  | SR7625                    | 26.0   | WIN.               | WAA12SL     | 1                     | 1250                           | 5600                         |
| WINCHESTER   | 209  | SR7625                    | 22.0   | CB.                | CB2100-12   | 1                     | 1095                           | 4300                         |
| WINCHESTER   | 209  | SR7625                    | 23.5   | CB.                | CB2100-12   | 1                     | 1145                           | 4600                         |
| WINCHESTER   | 209  | SR7625                    | 25.0   | CB.                | CB2100-12   | 1                     | 1195                           | 4900                         |
| WINCHESTER   | 209  | SR7625                    | 26.5   | CB.                | CB2100-12   | 1                     | 1245                           | 5200                         |
| WINCHESTER   | 209  | SR7625                    | 22.5   | REM.               | TGT12       | 1                     | 1105                           | 4300                         |
| WINCHESTER   | 209  | SR7625                    | 23.5   | REM.               | TGT12       | 1                     | 1145                           | 4700                         |
| WINCHESTER   | 209  | SR7625                    | 25.0   | REM.               | TGT12       | 1                     | 1205                           | 5400                         |
| WINCHESTER   | 209  | SR7625                    | 26.0   | REM.               | TGT12       | 1                     | 1245                           | 5900                         |
| WINCHESTER   | 209  | SR7625                    | 21.5   | FED.               | 12S3        | 1                     | 1110                           | 4700                         |
| WINCHESTER   | 209  | SR7625                    | 22.5   | FED.               | 12S3        | 1                     | 1150                           | 5200                         |
| WINCHESTER   | 209  | SR7625                    | 24.0   | FED.               | 12S3        | 1                     | 1210                           | 5900                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | FED.               | 12S3        | 1                     | 1255                           | 6600                         |
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b>              |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA12SL     | 1                     | 1105                           | 7700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5   | WIN.               | WAA12SL     | 1                     | 1150                           | 8600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA12SL     | 1                     | 1200                           | 9500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | WIN.               | WAA12SL     | 1                     | 1260                           | 10800                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 14.5   | CB.                | CB1100-12   | 1                     | 1090                           | 6600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | CB.                | CB1100-12   | 1                     | 1160                           | 7900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | CB.                | CB1100-12   | 1                     | 1205                           | 8700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | CB.                | CB1100-12   | 1                     | 1250                           | 9600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 14.5   | REM.               | TGT12       | 1                     | 1100                           | 7200                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.5   | REM.               | TGT12       | 1                     | 1150                           | 8100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.5   | REM.               | TGT12       | 1                     | 1205                           | 9100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.5   | REM.               | TGT12       | 1                     | 1245                           | 10000                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 14.5   | FED.               | 12S3        | 1                     | 1095                           | 8000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S3        | 1                     | 1140                           | 8900                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S3        | 1                     | 1210                           | 10300                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S3        | 1                     | 1250                           | 11200                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA12SL     | 1                     | 1100                           | 7300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | WIN.               | WAA12SL     | 1                     | 1145                           | 8100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA12SL     | 1                     | 1195                           | 9000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | WIN.               | WAA12SL     | 1                     | 1255                           | 10500                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | CB.                | CB1100-12   | 1                     | 1105                           | 6500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | CB.                | CB1100-12   | 1                     | 1150                           | 7200                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | CB.                | CB1100-12   | 1                     | 1195                           | 8000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.5   | CB.                | CB1100-12   | 1                     | 1260                           | 9400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 14.5   | REM.               | TGT12       | 1                     | 1090                           | 6600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | REM.               | TGT12       | 1                     | 1140                           | 7500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | REM.               | TGT12       | 1                     | 1190                           | 8400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | REM.               | TGT12       | 1                     | 1250                           | 9500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 14.5   | FED.               | 12S3        | 1                     | 1090                           | 7400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S3        | 1                     | 1140                           | 8300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S3        | 1                     | 1205                           | 9700                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S3        | 1                     | 1250                           | 10600                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0   | WIN.               | WAA12SL     | 1                     | 1110                           | 7400                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0   | WIN.               | WAA12SL     | 1                     | 1160                           | 8300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | WIN.               | WAA12SL     | 1                     | 1205                           | 9300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.0   | WIN.               | WAA12SL     | 1                     | 1250                           | 10300                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0   | CB.                | CB1100-12   | 1                     | 1095                           | 6300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.0   | CB.                | CB1100-12   | 1                     | 1150                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | CB.                | CB1100-12   | 1                     | 1195                           | 8200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.0   | CB.                | CB1100-12   | 1                     | 1240                           | 9200                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.0   | REM.               | TGT12       | 1                     | 1110                           | 7300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | REM.               | TGT12       | 1                     | 1140                           | 7700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.5   | REM.               | TGT12       | 1                     | 1195                           | 8700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.0   | REM.               | TGT12       | 1                     | 1255                           | 9800                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 14.5   | FED.               | 12S3        | 1                     | 1090                           | 7800                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S3        | 1                     | 1135                           | 8700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S3        | 1                     | 1210                           | 10100                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S3        | 1                     | 1255                           | 11100                        |
| FEDERAL   | 209A | PB                        | 18.0   | WIN.               | WAA12SL     | 1                     | 1115                           | 7000                         |
| FEDERAL   | 209A | PB                        | 19.0   | WIN.               | WAA12SL     | 1                     | 1150                           | 7500                         |
| FEDERAL   | 209A | PB                        | 20.5   | WIN.               | WAA12SL     | 1                     | 1200                           | 8200                         |
| FEDERAL   | 209A | PB                        | 22.0   | WIN.               | WAA12SL     | 1                     | 1255                           | 8900                         |
| FEDERAL   | 209A | PB                        | 18.5   | CB.                | CB1100-12   | 1                     | 1095                           | 5700                         |
| FEDERAL   | 209A | PB                        | 20.0   | CB.                | CB1100-12   | 1                     | 1155                           | 6600                         |
| FEDERAL   | 209A | PB                        | 21.0   | CB.                | CB1100-12   | 1                     | 1195                           | 7200                         |
| FEDERAL   | 209A | PB                        | 22.5   | CB.                | CB1100-12   | 1                     | 1255                           | 8000                         |
| FEDERAL   | 209A | PB                        | 18.5   | REM.               | TGT12       | 1                     | 1105                           | 6200                         |
| FEDERAL   | 209A | PB                        | 19.5   | REM.               | TGT12       | 1                     | 1145                           | 6700                         |
| FEDERAL   | 209A | PB                        | 21.0   | REM.               | TGT12       | 1                     | 1200                           | 7400                         |
| FEDERAL   | 209A | PB                        | 22.5   | REM.               | TGT12       | 1                     | 1255                           | 8200                         |
| FEDERAL   | 209A | PB                        | 18.0   | FED.               | 12S3        | 1                     | 1100                           | 6500                         |
| FEDERAL   | 209A | PB                        | 19.0   | FED.               | 12S3        | 1                     | 1140                           | 7200                         |
| FEDERAL   | 209A | PB                        | 20.5   | FED.               | 12S3        | 1                     | 1200                           | 8300                         |
| FEDERAL   | 209A | PB                        | 22.0   | FED.               | 12S3        | 1                     | 1260                           | 9300                         |
| REMINGTON   | 209P | PB                        | 18.0   | WIN.               | WAA12SL     | 1                     | 1095                           | 6500                         |
| REMINGTON   | 209P | PB                        | 19.5   | WIN.               | WAA12SL     | 1                     | 1150                           | 7200                         |
| REMINGTON   | 209P | PB                        | 20.5   | WIN.               | WAA12SL     | 1                     | 1190                           | 7700                         |
| REMINGTON   | 209P | PB                        | 22.5   | WIN.               | WAA12SL     | 1                     | 1265                           | 8700                         |
| REMINGTON   | 209P | PB                        | 19.5   | CB.                | CB1100-12   | 1                     | 1100                           | 5100                         |
| REMINGTON   | 209P | PB                        | 20.5   | CB.                | CB1100-12   | 1                     | 1150                           | 5700                         |
| REMINGTON   | 209P | PB                        | 21.5   | CB.                | CB1100-12   | 1                     | 1190                           | 6200                         |
| REMINGTON   | 209P | PB                        | 23.0   | CB.                | CB1100-12   | 1                     | 1250                           | 7200                         |
| REMINGTON   | 209P | PB                        | 19.0   | REM.               | TGT12       | 1                     | 1110                           | 5700                         |
| REMINGTON   | 209P | PB                        | 20.0   | REM.               | TGT12       | 1                     | 1150                           | 6300                         |
| REMINGTON   | 209P | PB                        | 21.5   | REM.               | TGT12       | 1                     | 1210                           | 7100                         |
| REMINGTON   | 209P | PB                        | 22.5   | REM.               | TGT12       | 1                     | 1250                           | 7600                         |
| REMINGTON   | 209P | PB                        | 18.5   | FED.               | 12S3        | 1                     | 1095                           | 6100                         |
| REMINGTON   | 209P | PB                        | 20.0   | FED.               | 12S3        | 1                     | 1155                           | 7100                         |
| REMINGTON   | 209P | PB                        | 21.0   | FED.               | 12S3        | 1                     | 1200                           | 7800                         |
| REMINGTON   | 209P | PB                        | 22.5   | FED.               | 12S3        | 1                     | 1260                           | 8500                         |

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR. | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |      |                           |                       |                                |                              |
| WINCHESTER  | 209  | PB                        | 18.5   | WIN. | WAA12                     | 1                     | 1100                           | 5900                         |
| WINCHESTER  | 209  | PB                        | 19.5   | WIN. | WAA12                     | 1                     | 1140                           | 6500                         |
| WINCHESTER  | 209  | PB                        | 21.0   | WIN. | WAA12                     | 1                     | 1195                           | 7300                         |
| WINCHESTER  | 209  | PB                        | 22.5   | WIN. | WAA12                     | 1                     | 1255                           | 8100                         |
| WINCHESTER  | 209  | PB                        | 19.5   | CB.  | CB1100-12                 | 1                     | 1105                           | 5400                         |
| WINCHESTER  | 209  | PB                        | 20.5   | CB.  | CB1100-12                 | 1                     | 1150                           | 5900                         |
| WINCHESTER  | 209  | PB                        | 21.5   | CB.  | CB1100-12                 | 1                     | 1195                           | 6400                         |
| WINCHESTER  | 209  | PB                        | 23.0   | CB.  | CB1100-12                 | 1                     | 1250                           | 7100                         |
| WINCHESTER  | 209  | PB                        | 19.0   | REM. | TGT12                     | 1                     | 1100                           | 5700                         |
| WINCHESTER  | 209  | PB                        | 20.0   | REM. | TGT12                     | 1                     | 1145                           | 6300                         |
| WINCHESTER  | 209  | PB                        | 21.0   | REM. | TGT12                     | 1                     | 1190                           | 6800                         |
| WINCHESTER  | 209  | PB                        | 22.5   | REM. | TGT12                     | 1                     | 1255                           | 7700                         |
| WINCHESTER  | 209  | PB                        | 19.0   | FED. | 12S3                      | 1                     | 1110                           | 6300                         |
| WINCHESTER  | 209  | PB                        | 20.0   | FED. | 12S3                      | 1                     | 1150                           | 7000                         |
| WINCHESTER  | 209  | PB                        | 21.0   | FED. | 12S3                      | 1                     | 1195                           | 7700                         |
| WINCHESTER  | 209  | PB                        | 22.5   | FED. | 12S3                      | 1                     | 1255                           | 8700                         |
| FEDERAL   | 209A | SR7625                    | 19.0   | WIN. | WAA12SL                   | 1                     | 1095                           | 4200                         |
| FEDERAL   | 209A | SR7625                    | 20.5   | WIN. | WAA12SL                   | 1                     | 1150                           | 5700                         |
| FEDERAL   | 209A | SR7625                    | 22.0   | WIN. | WAA12SL                   | 1                     | 1205                           | 7200                         |
| FEDERAL   | 209A | SR7625                    | 23.5   | WIN. | WAA12SL                   | 1                     | 1260                           | 8500                         |
| FEDERAL   | 209A | SR7625                    | 20.5   | CB.  | CB1100-12                 | 1                     | 1090                           | 5000                         |
| FEDERAL   | 209A | SR7625                    | 22.0   | CB.  | CB1100-12                 | 1                     | 1150                           | 5900                         |
| FEDERAL   | 209A | SR7625                    | 23.0   | CB.  | CB1100-12                 | 1                     | 1195                           | 6500                         |
| FEDERAL   | 209A | SR7625                    | 24.5   | CB.  | CB1100-12                 | 1                     | 1255                           | 7400                         |
| FEDERAL   | 209A | SR7625                    | 20.5   | REM. | TGT12                     | 1                     | 1095                           | 5300                         |
| FEDERAL   | 209A | SR7625                    | 22.0   | REM. | TGT12                     | 1                     | 1160                           | 6300                         |
| FEDERAL   | 209A | SR7625                    | 23.0   | REM. | TGT12                     | 1                     | 1200                           | 6900                         |
| FEDERAL   | 209A | SR7625                    | 24.0   | REM. | TGT12                     | 1                     | 1245                           | 7400                         |
| FEDERAL   | 209A | SR7625                    | 20.0   | FED. | 12S3                      | 1                     | 1095                           | 6100                         |
| FEDERAL   | 209A | SR7625                    | 21.0   | FED. | 12S3                      | 1                     | 1140                           | 6700                         |
| FEDERAL   | 209A | SR7625                    | 22.5   | FED. | 12S3                      | 1                     | 1205                           | 7600                         |
| FEDERAL   | 209A | SR7625                    | 23.5   | FED. | 12S3                      | 1                     | 1250                           | 8300                         |
| REMINGTON   | 209P | SR7625                    | 21.0   | WIN. | WAA12SL                   | 1                     | 1100                           | 5800                         |
| REMINGTON   | 209P | SR7625                    | 22.0   | WIN. | WAA12SL                   | 1                     | 1150                           | 6200                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | WIN. | WAA12SL                   | 1                     | 1195                           | 6800                         |
| REMINGTON   | 209P | SR7625                    | 24.5   | WIN. | WAA12SL                   | 1                     | 1260                           | 8100                         |
| REMINGTON   | 209P | SR7625                    | 22.0   | CB.  | CB1100-12                 | 1                     | 1110                           | 4700                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | CB.  | CB1100-12                 | 1                     | 1155                           | 5100                         |
| REMINGTON   | 209P | SR7625                    | 24.0   | CB.  | CB1100-12                 | 1                     | 1200                           | 5500                         |
| REMINGTON   | 209P | SR7625                    | 25.0   | CB.  | CB1100-12                 | 1                     | 1250                           | 5900                         |
| REMINGTON   | 209P | SR7625                    | 21.5   | REM. | TGT12                     | 1                     | 1110                           | 5100                         |
| REMINGTON   | 209P | SR7625                    | 22.5   | REM. | TGT12                     | 1                     | 1155                           | 5700                         |
| REMINGTON   | 209P | SR7625                    | 23.5   | REM. | TGT12                     | 1                     | 1195                           | 6200                         |
| REMINGTON   | 209P | SR7625                    | 25.0   | REM. | TGT12                     | 1                     | 1255                           | 7000                         |
| REMINGTON   | 209P | SR7625                    | 20.0   | FED. | 12S3                      | 1                     | 1105                           | 6000                         |
| REMINGTON   | 209P | SR7625                    | 21.0   | FED. | 12S3                      | 1                     | 1140                           | 6300                         |
| REMINGTON   | 209P | SR7625                    | 22.5   | FED. | 12S3                      | 1                     | 1190                           | 6900                         |
| REMINGTON   | 209P | SR7625                    | 24.0   | FED. | 12S3                      | 1                     | 1260                           | 7800                         |
| WINCHESTER  | 209  | SR7625                    | 20.0   | WIN. | WAA12SL                   | 1                     | 1105                           | 5700                         |
| WINCHESTER  | 209  | SR7625                    | 21.5   | WIN. | WAA12SL                   | 1                     | 1150                           | 6100                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | WIN. | WAA12SL                   | 1                     | 1200                           | 6700                         |
| WINCHESTER  | 209  | SR7625                    | 24.0   | WIN. | WAA12SL                   | 1                     | 1250                           | 7200                         |
| WINCHESTER  | 209  | SR7625                    | 21.0   | CB.  | CB1100-12                 | 1                     | 1090                           | 4600                         |
| WINCHESTER  | 209  | SR7625                    | 22.5   | CB.  | CB1100-12                 | 1                     | 1150                           | 5100                         |
| WINCHESTER  | 209  | SR7625                    | 24.0   | CB.  | CB1100-12                 | 1                     | 1195                           | 5500                         |
| WINCHESTER  | 209  | SR7625                    | 25.5   | CB.  | CB1100-12                 | 1                     | 1250                           | 5900                         |
| WINCHESTER  | 209  | SR7625                    | 21.0   | REM. | TGT12                     | 1                     | 1105                           | 5300                         |
| WINCHESTER  | 209  | SR7625                    | 22.0   | REM. | TGT12                     | 1                     | 1145                           | 5700                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | REM. | TGT12                     | 1                     | 1190                           | 6300                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | REM. | TGT12                     | 1                     | 1260                           | 7100                         |
| WINCHESTER  | 209  | SR7625                    | 21.0   | FED. | 12S3                      | 1                     | 1100                           | 5300                         |
| WINCHESTER  | 209  | SR7625                    | 22.0   | FED. | 12S3                      | 1                     | 1145                           | 6000                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | FED. | 12S3                      | 1                     | 1195                           | 6800                         |
| WINCHESTER  | 209  | SR7625                    | 24.0   | FED. | 12S3                      | 1                     | 1250                           | 7900                         |
| <b>SHELL: REMINGTON GUN CLUB</b>                    |      |                           |        |      |                           |                       |                                |                              |
| CHEDDITE  | 209  | HI-SKOR 700X              | 16.0   | REM. | TGT12                     | 1                     | 1183                           | 8800                         |
| CHEDDITE  | 209  | HI-SKOR 700X              | 17.5   | REM. | TGT12                     | 1                     | 1237                           | 9500                         |
| CHEDDITE  | 209  | HI-SKOR 700X              | 16.0   | WIN. | 12SL                      | 1                     | 1183                           | 9400                         |
| CHEDDITE  | 209  | HI-SKOR 700X              | 17.0   | WIN. | 12SL                      | 1                     | 1234                           | 10200                        |

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|----------------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON GUN CLUB</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON                        | STS  | HI-SKOR 700X              | 16.0   | REM.               | TGT12       | 1                     | 1181                           | 8300                         |
| REMINGTON                        | STS  | HI-SKOR 700X              | 17.0   | REM.               | TGT12       | 1                     | 1235                           | 9400                         |
| REMINGTON                        | STS  | HI-SKOR 700X              | 16.0   | WIN.               | 12SL        | 1                     | 1184                           | 9100                         |
| REMINGTON                        | STS  | HI-SKOR 700X              | 17.0   | WIN.               | 12SL        | 1                     | 1237                           | 10300                        |
| WINCHESTER                       | 209  | HI-SKOR 700X              | 16.0   | REM.               | TGT12       | 1                     | 1180                           | 9100                         |
| WINCHESTER                       | 209  | HI-SKOR 700X              | 17.5   | REM.               | TGT12       | 1                     | 1237                           | 9600                         |
| WINCHESTER                       | 209  | HI-SKOR 700X              | 16.0   | WIN.               | 12SL        | 1                     | 1184                           | 8700                         |
| WINCHESTER                       | 209  | HI-SKOR 700X              | 17.5   | WIN.               | 12SL        | 1                     | 1234                           | 10000                        |
| <b>SHELL: WINCHESTER AA</b>      |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 15.0   | WIN.               | WAA12SL     | 1                     | 1110                           | 7300                         |
| FEDERAL                          | 209A | "HI-SKOR" 700X            | 16.0   | WIN.               | WAA12SL     | 1                     | 1155                           | 8000                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 17.0   | WIN.               | WAA12SL     | 1                     | 1195                           | 8700                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 18.5   | WIN.               | WAA12SL     | 1                     | 1255                           | 9700                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 15.0   | CB.                | CB1100-12   | 1                     | 1100                           | 6300                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 16.0   | CB.                | CB1100-12   | 1                     | 1145                           | 7000                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 17.5   | CB.                | CB1100-12   | 1                     | 1205                           | 8000                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 18.5   | CB.                | CB1100-12   | 1                     | 1250                           | 8700                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 15.0   | REM.               | TGT12       | 1                     | 1110                           | 6900                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 16.0   | REM.               | TGT12       | 1                     | 1155                           | 7500                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 17.0   | REM.               | TGT12       | 1                     | 1195                           | 8200                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 18.5   | REM.               | TGT12       | 1                     | 1260                           | 9400                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 14.5   | FED.               | 12S3        | 1                     | 1090                           | 7900                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S3        | 1                     | 1140                           | 8700                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S3        | 1                     | 1210                           | 9900                         |
| FEDERAL                          | 209A | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S3        | 1                     | 1250                           | 10700                        |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 15.0   | WIN.               | WAA12SL     | 1                     | 1095                           | 6400                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA12SL     | 1                     | 1155                           | 7000                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 18.0   | WIN.               | WAA12SL     | 1                     | 1210                           | 7600                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 19.0   | WIN.               | WAA12SL     | 1                     | 1245                           | 8000                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 16.0   | CB.                | CB1100-12   | 1                     | 1110                           | 5000                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 17.0   | CB.                | CB1100-12   | 1                     | 1150                           | 5600                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 18.0   | CB.                | CB1100-12   | 1                     | 1190                           | 6100                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 19.5   | CB.                | CB1100-12   | 1                     | 1250                           | 7000                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 15.5   | REM.               | TGT12       | 1                     | 1105                           | 5800                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 16.5   | REM.               | TGT12       | 1                     | 1140                           | 6200                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 18.0   | REM.               | TGT12       | 1                     | 1205                           | 7100                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 19.0   | REM.               | TGT12       | 1                     | 1250                           | 7700                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 15.0   | FED.               | 12S3        | 1                     | 1105                           | 7100                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 16.5   | FED.               | 12S3        | 1                     | 1160                           | 7900                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 17.5   | FED.               | 12S3        | 1                     | 1200                           | 8600                         |
| REMINGTON                        | 209P | "HI-SKOR" 700-X           | 18.5   | FED.               | 12S3        | 1                     | 1250                           | 9300                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA12SL     | 1                     | 1105                           | 7500                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 15.5   | WIN.               | WAA12SL     | 1                     | 1145                           | 8200                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA12SL     | 1                     | 1195                           | 9000                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 18.0   | WIN.               | WAA12SL     | 1                     | 1250                           | 10100                        |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 14.5   | CB.                | CB1100-12   | 1                     | 1090                           | 6500                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 15.5   | CB.                | CB1100-12   | 1                     | 1140                           | 7400                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 17.0   | CB.                | CB1100-12   | 1                     | 1205                           | 8500                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 18.0   | CB.                | CB1100-12   | 1                     | 1245                           | 9300                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 14.5   | REM.               | TGT12       | 1                     | 1095                           | 6700                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 15.5   | REM.               | TGT12       | 1                     | 1140                           | 7400                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 16.5   | REM.               | TGT12       | 1                     | 1190                           | 8200                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 18.0   | REM.               | TGT12       | 1                     | 1250                           | 9400                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 14.5   | FED.               | 12S3        | 1                     | 1100                           | 8200                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S3        | 1                     | 1140                           | 8800                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S3        | 1                     | 1205                           | 9700                         |
| WINCHESTER                       | 209  | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S3        | 1                     | 1250                           | 10500                        |
| FEDERAL                          | 209A | PB                        | 18.5   | WIN.               | WAA12       | 1                     | 1110                           | 6200                         |
| FEDERAL                          | 209A | PB                        | 19.5   | WIN.               | WAA12       | 1                     | 1150                           | 6900                         |
| FEDERAL                          | 209A | PB                        | 21.0   | WIN.               | WAA12       | 1                     | 1210                           | 7900                         |
| FEDERAL                          | 209A | PB                        | 22.5   | WIN.               | WAA12       | 1                     | 1260                           | 8600                         |
| FEDERAL                          | 209A | PB                        | 18.5   | CB.                | CB1100-12   | 1                     | 1095                           | 5200                         |
| FEDERAL                          | 209A | PB                        | 20.0   | CB.                | CB1100-12   | 1                     | 1145                           | 5800                         |
| FEDERAL                          | 209A | PB                        | 21.5   | CB.                | CB1100-12   | 1                     | 1200                           | 6400                         |
| FEDERAL                          | 209A | PB                        | 23.0   | CB.                | CB1100-12   | 1                     | 1260                           | 7200                         |
| FEDERAL                          | 209A | PB                        | 18.5   | REM.               | FIG8        | 1                     | 1095                           | 5300                         |
| FEDERAL                          | 209A | PB                        | 20.0   | REM.               | FIG8        | 1                     | 1150                           | 6100                         |
| FEDERAL                          | 209A | PB                        | 21.0   | REM.               | FIG8        | 1                     | 1190                           | 6600                         |
| FEDERAL                          | 209A | PB                        | 22.5   | REM.               | FIG8        | 1                     | 1250                           | 7400                         |

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL                     | 209A | PB                        | 18.0   | FED.               | 12S3        | 1                     | 1095                           | 6100                         |
| FEDERAL                     | 209A | PB                        | 19.5   | FED.               | 12S3        | 1                     | 1155                           | 7200                         |
| FEDERAL                     | 209A | PB                        | 20.5   | FED.               | 12S3        | 1                     | 1195                           | 7900                         |
| FEDERAL                     | 209A | PB                        | 22.0   | FED.               | 12S3        | 1                     | 1255                           | 8900                         |
| REMINGTON                   | 209P | PB                        | 19.0   | WIN.               | WAA12       | 1                     | 1110                           | 5700                         |
| REMINGTON                   | 209P | PB                        | 20.0   | WIN.               | WAA12       | 1                     | 1145                           | 6200                         |
| REMINGTON                   | 209P | PB                        | 21.5   | WIN.               | WAA12       | 1                     | 1205                           | 7100                         |
| REMINGTON                   | 209P | PB                        | 22.5   | WIN.               | WAA12       | 1                     | 1250                           | 7700                         |
| REMINGTON                   | 209P | PB                        | 19.0   | CB.                | CB1100-12   | 1                     | 1100                           | 4600                         |
| REMINGTON                   | 209P | PB                        | 20.5   | CB.                | CB1100-12   | 1                     | 1150                           | 5100                         |
| REMINGTON                   | 209P | PB                        | 22.0   | CB.                | CB1100-12   | 1                     | 1200                           | 5700                         |
| REMINGTON                   | 209P | PB                        | 23.5   | CB.                | CB1100-12   | 1                     | 1260                           | 6500                         |
| REMINGTON                   | 209P | PB                        | 19.0   | REM.               | FIG8        | 1                     | 1085                           | 4500                         |
| REMINGTON                   | 209P | PB                        | 21.0   | REM.               | FIG8        | 1                     | 1150                           | 5300                         |
| REMINGTON                   | 209P | PB                        | 22.0   | REM.               | FIG8        | 1                     | 1190                           | 5700                         |
| REMINGTON                   | 209P | PB                        | 23.5   | REM.               | FIG8        | 1                     | 1255                           | 6700                         |
| REMINGTON                   | 209P | PB                        | 19.0   | FED.               | 12S3        | 1                     | 1095                           | 5100                         |
| REMINGTON                   | 209P | PB                        | 20.5   | FED.               | 12S3        | 1                     | 1150                           | 6000                         |
| REMINGTON                   | 209P | PB                        | 22.0   | FED.               | 12S3        | 1                     | 1205                           | 6900                         |
| REMINGTON                   | 209P | PB                        | 23.5   | FED.               | 12S3        | 1                     | 1260                           | 7600                         |
| WINCHESTER                  | 209  | PB                        | 18.5   | WIN.               | WAA12       | 1                     | 1105                           | 5900                         |
| WINCHESTER                  | 209  | PB                        | 20.0   | WIN.               | WAA12       | 1                     | 1150                           | 6500                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | WIN.               | WAA12       | 1                     | 1200                           | 7100                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | WIN.               | WAA12       | 1                     | 1260                           | 7900                         |
| WINCHESTER                  | 209  | PB                        | 19.0   | CB.                | CB1100-12   | 1                     | 1110                           | 5100                         |
| WINCHESTER                  | 209  | PB                        | 20.5   | CB.                | CB1100-12   | 1                     | 1140                           | 5600                         |
| WINCHESTER                  | 209  | PB                        | 22.0   | CB.                | CB1100-12   | 1                     | 1190                           | 6100                         |
| WINCHESTER                  | 209  | PB                        | 23.5   | CB.                | CB1100-12   | 1                     | 1255                           | 6600                         |
| WINCHESTER                  | 209  | PB                        | 18.0   | REM.               | TGT12       | 1                     | 1095                           | 4800                         |
| WINCHESTER                  | 209  | PB                        | 19.5   | REM.               | TGT12       | 1                     | 1140                           | 5600                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | REM.               | TGT12       | 1                     | 1200                           | 6700                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | REM.               | TGT12       | 1                     | 1260                           | 7500                         |
| WINCHESTER                  | 209  | PB                        | 19.0   | REM.               | FIG8        | 1                     | 1100                           | 5400                         |
| WINCHESTER                  | 209  | PB                        | 20.0   | REM.               | FIG8        | 1                     | 1140                           | 5800                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | REM.               | FIG8        | 1                     | 1195                           | 6500                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | REM.               | FIG8        | 1                     | 1255                           | 7200                         |
| WINCHESTER                  | 209  | PB                        | 19.0   | FED.               | 12S3        | 1                     | 1105                           | 5900                         |
| WINCHESTER                  | 209  | PB                        | 20.5   | FED.               | 12S3        | 1                     | 1160                           | 6800                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | FED.               | 12S3        | 1                     | 1200                           | 7400                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | FED.               | 12S3        | 1                     | 1250                           | 8100                         |
| FEDERAL                     | 209A | SR7625                    | 20.0   | WIN.               | WAA12       | 1                     | 1095                           | 6000                         |
| FEDERAL                     | 209A | SR7625                    | 21.5   | WIN.               | WAA12       | 1                     | 1145                           | 6300                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | WIN.               | WAA12       | 1                     | 1205                           | 6900                         |
| FEDERAL                     | 209A | SR7625                    | 25.0   | WIN.               | WAA12       | 1                     | 1260                           | 7400                         |
| FEDERAL                     | 209A | SR7625                    | 21.0   | CB.                | CB1118-12   | 1                     | 1100                           | 4600                         |
| FEDERAL                     | 209A | SR7625                    | 22.0   | CB.                | CB1118-12   | 1                     | 1145                           | 5200                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | CB.                | CB1118-12   | 1                     | 1210                           | 6200                         |
| FEDERAL                     | 209A | SR7625                    | 24.5   | CB.                | CB1118-12   | 1                     | 1250                           | 6700                         |
| FEDERAL                     | 209A | SR7625                    | 21.5   | REM.               | RXP12       | 1                     | 1110                           | 5000                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | REM.               | RXP12       | 1                     | 1150                           | 5400                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | REM.               | RXP12       | 1                     | 1190                           | 5900                         |
| FEDERAL                     | 209A | SR7625                    | 25.0   | REM.               | RXP12       | 1                     | 1250                           | 6700                         |
| FEDERAL                     | 209A | SR7625                    | 20.5   | FED.               | 12S3        | 1                     | 1110                           | 5400                         |
| FEDERAL                     | 209A | SR7625                    | 21.5   | FED.               | 12S3        | 1                     | 1145                           | 5900                         |
| FEDERAL                     | 209A | SR7625                    | 23.0   | FED.               | 12S3        | 1                     | 1200                           | 6600                         |
| FEDERAL                     | 209A | SR7625                    | 24.5   | FED.               | 12S3        | 1                     | 1255                           | 7300                         |
| REMINGTON                   | 209P | SR7625                    | 21.5   | WIN.               | WAA12       | 1                     | 1105                           | 5000                         |
| REMINGTON                   | 209P | SR7625                    | 22.5   | WIN.               | WAA12       | 1                     | 1150                           | 5700                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | WIN.               | WAA12       | 1                     | 1195                           | 6200                         |
| REMINGTON                   | 209P | SR7625                    | 25.0   | WIN.               | WAA12       | 1                     | 1255                           | 7100                         |
| REMINGTON                   | 209P | SR7625                    | 22.5   | CB.                | CB1118-12   | 1                     | 1110                           | 4400                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | CB.                | CB1118-12   | 1                     | 1145                           | 4700                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | CB.                | CB1118-12   | 1                     | 1190                           | 5300                         |
| REMINGTON                   | 209P | SR7625                    | 26.0   | CB.                | CB1118-12   | 1                     | 1265                           | 6300                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR. | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------|------|---------------------------|--------|------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b> |      |                           |        |      |                           |                       |                                |                              |
| REMINGTON                   | 209P | SR7625                    | 22.5   | REM. | RXP12                     | 1                     | 1100                           | 4200                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | REM. | RXP12                     | 1                     | 1145                           | 4700                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | REM. | RXP12                     | 1                     | 1190                           | 5200                         |
| REMINGTON                   | 209P | SR7625                    | 25.5   | REM. | RXP12                     | 1                     | 1245                           | 6000                         |
| REMINGTON                   | 209P | SR7625                    | 22.0   | FED. | 12S3                      | 1                     | 1095                           | 4500                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | FED. | 12S3                      | 1                     | 1160                           | 5300                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | FED. | 12S3                      | 1                     | 1210                           | 6000                         |
| REMINGTON                   | 209P | SR7625                    | 25.5   | FED. | 12S3                      | 1                     | 1265                           | 6900                         |
| WINCHESTER                  | 209  | SR7625                    | 21.5   | WIN. | WAA12                     | 1                     | 1095                           | 4900                         |
| WINCHESTER                  | 209  | SR7625                    | 23.0   | WIN. | WAA12                     | 1                     | 1150                           | 5500                         |
| WINCHESTER                  | 209  | SR7625                    | 24.0   | WIN. | WAA12                     | 1                     | 1190                           | 5800                         |
| WINCHESTER                  | 209  | SR7625                    | 25.5   | WIN. | WAA12                     | 1                     | 1255                           | 6600                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | CB.  | CB1118-12                 | 1                     | 1095                           | 4500                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | CB.  | CB1118-12                 | 1                     | 1150                           | 5100                         |
| WINCHESTER                  | 209  | SR7625                    | 25.0   | CB.  | CB1118-12                 | 1                     | 1210                           | 5800                         |
| WINCHESTER                  | 209  | SR7625                    | 26.0   | CB.  | CB1118-12                 | 1                     | 1250                           | 6200                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | REM. | RXP12                     | 1                     | 1095                           | 4600                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | REM. | RXP12                     | 1                     | 1140                           | 5000                         |
| WINCHESTER                  | 209  | SR7625                    | 25.0   | REM. | RXP12                     | 1                     | 1200                           | 5700                         |
| WINCHESTER                  | 209  | SR7625                    | 26.0   | REM. | RXP12                     | 1                     | 1245                           | 6200                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | FED. | 12S3                      | 1                     | 1105                           | 5300                         |
| WINCHESTER                  | 209  | SR7625                    | 23.0   | FED. | 12S3                      | 1                     | 1155                           | 5900                         |
| WINCHESTER                  | 209  | SR7625                    | 24.0   | FED. | 12S3                      | 1                     | 1205                           | 6500                         |
| WINCHESTER                  | 209  | SR7625                    | 25.0   | FED. | 12S3                      | 1                     | 1250                           | 7100                         |

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 1/8 OUNCE LOADS

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR. | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |      |                           |                       |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | WIN. | WAA12SL                   | 11/8                  | 1110                           | 7900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | WIN. | WAA12SL                   | 11/8                  | 1150                           | 8700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | WIN. | WAA12SL                   | 11/8                  | 1190                           | 9500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5   | WIN. | WAA12SL                   | 11/8                  | 1250                           | 10600                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | CB.  | CB2118-12                 | 11/8                  | 1110                           | 7900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | CB.  | CB2118-12                 | 11/8                  | 1155                           | 8600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | CB.  | CB2118-12                 | 11/8                  | 1195                           | 9500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5   | CB.  | CB2118-12                 | 11/8                  | 1260                           | 10800                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | REM. | TGT12                     | 11/8                  | 1100                           | 7400                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | REM. | TGT12                     | 11/8                  | 1145                           | 8200                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.0   | REM. | TGT12                     | 11/8                  | 1190                           | 9100                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 19.5   | REM. | TGT12                     | 11/8                  | 1250                           | 10500                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.0   | FED. | 12S3                      | 11/8                  | 1105                           | 7900                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.0   | FED. | 12S3                      | 11/8                  | 1145                           | 8600                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5   | FED. | 12S3                      | 11/8                  | 1205                           | 9500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 20.0   | FED. | 12S3                      | 11/8                  | 1260                           | 10400                        |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.5   | WIN. | WAA12SL                   | 11/8                  | 1110                           | 7500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5   | WIN. | WAA12SL                   | 11/8                  | 1155                           | 8200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5   | WIN. | WAA12SL                   | 11/8                  | 1195                           | 8700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.0   | WIN. | WAA12SL                   | 11/8                  | 1255                           | 9500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0   | CB.  | CB2118-12                 | 11/8                  | 1095                           | 7200                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.0   | CB.  | CB2118-12                 | 11/8                  | 1140                           | 7900                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5   | CB.  | CB2118-12                 | 11/8                  | 1195                           | 8700                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.0   | CB.  | CB2118-12                 | 11/8                  | 1250                           | 9600                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0   | REM. | TGT12                     | 11/8                  | 1090                           | 6900                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5   | REM. | TGT12                     | 11/8                  | 1150                           | 7800                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5   | REM. | TGT12                     | 11/8                  | 1190                           | 8500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.0   | REM. | TGT12                     | 11/8                  | 1250                           | 9500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 16.0   | FED. | 12S3                      | 11/8                  | 1095                           | 7500                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 17.5   | FED. | 12S3                      | 11/8                  | 1155                           | 8300                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 18.5   | FED. | 12S3                      | 11/8                  | 1190                           | 8900                         |
| REMINGTON  | 209P | "HI-SKOR" 700-X           | 20.0   | FED. | 12S3                      | 11/8                  | 1250                           | 9800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.0   | WIN. | WAA12SL                   | 11/8                  | 1100                           | 7200                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.0   | WIN. | WAA12SL                   | 11/8                  | 1145                           | 7900                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.5   | WIN. | WAA12SL                   | 11/8                  | 1205                           | 9100                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5   | WIN. | WAA12SL                   | 11/8                  | 1245                           | 9900                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.0   | CB.  | CB2118-12                 | 11/8                  | 1100                           | 7200                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.0   | CB.  | CB2118-12                 | 11/8                  | 1145                           | 7900                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.5   | CB.                | CB2118-12   | 11/8                  | 1205                           | 9200                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5   | CB.                | CB2118-12   | 11/8                  | 1245                           | 10000                        |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.0   | REM.               | TGT12       | 11/8                  | 1095                           | 6800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.0   | REM.               | TGT12       | 11/8                  | 1140                           | 7500                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.5   | REM.               | TGT12       | 11/8                  | 1195                           | 8600                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 20.0   | REM.               | TGT12       | 11/8                  | 1255                           | 9600                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 16.0   | FED.               | 12S3        | 11/8                  | 1105                           | 7800                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 17.0   | FED.               | 12S3        | 11/8                  | 1150                           | 8500                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S3        | 11/8                  | 1190                           | 9400                         |
| WINCHESTER   | 209  | "HI-SKOR" 700-X           | 19.5   | FED.               | 12S3        | 11/8                  | 1255                           | 10700                        |
| FEDERAL  | 209A | PB                        | 19.5   | WIN.               | WAA12       | 11/8                  | 1095                           | 6100                         |
| FEDERAL  | 209A | PB                        | 21.0   | WIN.               | WAA12       | 11/8                  | 1150                           | 7000                         |
| FEDERAL  | 209A | PB                        | 22.5   | WIN.               | WAA12       | 11/8                  | 1205                           | 7900                         |
| FEDERAL  | 209A | PB                        | 24.0   | WIN.               | WAA12       | 11/8                  | 1260                           | 8800                         |
| FEDERAL  | 209A | PB                        | 20.5   | WTW.               | WINDJAMMER  | 11/8                  | 1105                           | 5900                         |
| FEDERAL  | 209A | PB                        | 21.5   | WTW.               | WINDJAMMER  | 11/8                  | 1145                           | 6400                         |
| FEDERAL  | 209A | PB                        | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7200                         |
| FEDERAL  | 209A | PB                        | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 7800                         |
| FEDERAL  | 209A | PB                        | 20.0   | CB.                | CB1118-12   | 11/8                  | 1105                           | 6000                         |
| FEDERAL  | 209A | PB                        | 21.0   | CB.                | CB1118-12   | 11/8                  | 1140                           | 6400                         |
| FEDERAL  | 209A | PB                        | 22.5   | CB.                | CB1118-12   | 11/8                  | 1195                           | 7100                         |
| FEDERAL  | 209A | PB                        | 24.0   | CB.                | CB1118-12   | 11/8                  | 1250                           | 8000                         |
| FEDERAL  | 209A | PB                        | 20.0   | REM.               | FIG8        | 11/8                  | 1095                           | 6000                         |
| FEDERAL  | 209A | PB                        | 21.5   | REM.               | FIG8        | 11/8                  | 1145                           | 6600                         |
| FEDERAL  | 209A | PB                        | 23.0   | REM.               | FIG8        | 11/8                  | 1200                           | 7300                         |
| FEDERAL  | 209A | PB                        | 24.5   | REM.               | FIG8        | 11/8                  | 1255                           | 8000                         |
| FEDERAL  | 209A | PB                        | 19.5   | FED.               | 12S3        | 11/8                  | 1095                           | 6600                         |
| FEDERAL  | 209A | PB                        | 21.0   | FED.               | 12S3        | 11/8                  | 1140                           | 7100                         |
| FEDERAL  | 209A | PB                        | 22.5   | FED.               | 12S3        | 11/8                  | 1190                           | 7600                         |
| FEDERAL  | 209A | PB                        | 24.0   | FED.               | 12S3        | 11/8                  | 1255                           | 8700                         |
| REMINGTON  | 209P | PB                        | 20.5   | WIN.               | WAA12SL     | 11/8                  | 1095                           | 5700                         |
| REMINGTON  | 209P | PB                        | 21.5   | WIN.               | WAA12SL     | 11/8                  | 1140                           | 6400                         |
| REMINGTON  | 209P | PB                        | 23.0   | WIN.               | WAA12SL     | 11/8                  | 1195                           | 7300                         |
| REMINGTON  | 209P | PB                        | 25.0   | WIN.               | WAA12SL     | 11/8                  | 1260                           | 8000                         |
| REMINGTON  | 209P | PB                        | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 5000                         |
| REMINGTON  | 209P | PB                        | 22.5   | WTW.               | WINDJAMMER  | 11/8                  | 1155                           | 5900                         |
| REMINGTON  | 209P | PB                        | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 6400                         |
| REMINGTON  | 209P | PB                        | 25.5   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 6900                         |
| REMINGTON  | 209P | PB                        | 21.0   | CB.                | CB1118-12   | 11/8                  | 1105                           | 5800                         |
| REMINGTON  | 209P | PB                        | 22.5   | CB.                | CB1118-12   | 11/8                  | 1150                           | 6300                         |
| REMINGTON  | 209P | PB                        | 23.5   | CB.                | CB1118-12   | 11/8                  | 1200                           | 7000                         |
| REMINGTON  | 209P | PB                        | 25.0   | CB.                | CB1118-12   | 11/8                  | 1265                           | 8000                         |
| REMINGTON  | 209P | PB                        | 21.0   | REM.               | FIG8        | 11/8                  | 1100                           | 5500                         |
| REMINGTON  | 209P | PB                        | 22.5   | REM.               | FIG8        | 11/8                  | 1155                           | 6100                         |
| REMINGTON  | 209P | PB                        | 23.5   | REM.               | FIG8        | 11/8                  | 1190                           | 6600                         |
| REMINGTON  | 209P | PB                        | 25.0   | REM.               | FIG8        | 11/8                  | 1245                           | 7500                         |
| REMINGTON  | 209P | PB                        | 20.5   | FED.               | 12S3        | 11/8                  | 1100                           | 6000                         |
| REMINGTON  | 209P | PB                        | 22.0   | FED.               | 12S3        | 11/8                  | 1155                           | 6500                         |
| REMINGTON  | 209P | PB                        | 23.0   | FED.               | 12S3        | 11/8                  | 1190                           | 7000                         |
| REMINGTON  | 209P | PB                        | 25.0   | FED.               | 12S3        | 11/8                  | 1265                           | 8400                         |
| WINCHESTER   | 209  | PB                        | 21.0   | WIN.               | WAA12SL     | 11/8                  | 1100                           | 6000                         |
| WINCHESTER   | 209  | PB                        | 22.0   | WIN.               | WAA12SL     | 11/8                  | 1140                           | 6600                         |
| WINCHESTER   | 209  | PB                        | 23.5   | WIN.               | WAA12SL     | 11/8                  | 1200                           | 7500                         |
| WINCHESTER   | 209  | PB                        | 25.0   | WIN.               | WAA12SL     | 11/8                  | 1255                           | 8200                         |
| WINCHESTER   | 209  | PB                        | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1105                           | 5500                         |
| WINCHESTER   | 209  | PB                        | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1145                           | 6000                         |
| WINCHESTER   | 209  | PB                        | 23.5   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7000                         |
| WINCHESTER   | 209  | PB                        | 24.5   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 7700                         |
| WINCHESTER   | 209  | PB                        | 20.5   | CB.                | CB1118-12   | 11/8                  | 1100                           | 5800                         |
| WINCHESTER   | 209  | PB                        | 22.0   | CB.                | CB1118-12   | 11/8                  | 1150                           | 6400                         |
| WINCHESTER   | 209  | PB                        | 23.5   | CB.                | CB1118-12   | 11/8                  | 1200                           | 7000                         |
| WINCHESTER   | 209  | PB                        | 25.0   | CB.                | CB1118-12   | 11/8                  | 1245                           | 7600                         |
| WINCHESTER   | 209  | PB                        | 21.0   | REM.               | FIG8        | 11/8                  | 1105                           | 5900                         |
| WINCHESTER   | 209  | PB                        | 22.0   | REM.               | FIG8        | 11/8                  | 1140                           | 6300                         |

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| WINCHESTER   | 209  | PB                        | 23.5   | REM.               | FIG8        | 11/8                  | 1200                           | 7000                         |
| WINCHESTER   | 209  | PB                        | 25.0   | REM.               | FIG8        | 11/8                  | 1255                           | 7800                         |
| WINCHESTER   | 209  | PB                        | 20.5   | FED.               | 12S3        | 11/8                  | 1090                           | 6100                         |
| WINCHESTER   | 209  | PB                        | 22.0   | FED.               | 12S3        | 11/8                  | 1150                           | 7000                         |
| WINCHESTER   | 209  | PB                        | 23.0   | FED.               | 12S3        | 11/8                  | 1190                           | 7600                         |
| WINCHESTER   | 209  | PB                        | 24.5   | FED.               | 12S3        | 11/8                  | 1250                           | 8400                         |
| FEDERAL  | 209A | SR7625                    | 21.5   | WIN.               | WAA12       | 11/8                  | 1100                           | 6100                         |
| FEDERAL  | 209A | SR7625                    | 23.0   | WIN.               | WAA12       | 11/8                  | 1155                           | 6700                         |
| FEDERAL  | 209A | SR7625                    | 24.5   | WIN.               | WAA12       | 11/8                  | 1200                           | 7400                         |
| FEDERAL  | 209A | SR7625                    | 26.0   | WIN.               | WAA12       | 11/8                  | 1265                           | 8200                         |
| FEDERAL  | 209A | SR7625                    | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1105                           | 5100                         |
| FEDERAL  | 209A | SR7625                    | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1140                           | 5600                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | WTW.               | WINDJAMMER  | 11/8                  | 1200                           | 6400                         |
| FEDERAL  | 209A | SR7625                    | 27.0   | WTW.               | WINDJAMMER  | 11/8                  | 1265                           | 7400                         |
| FEDERAL  | 209A | SR7625                    | 22.0   | CB.                | CB2118-12   | 11/8                  | 1095                           | 5700                         |
| FEDERAL  | 209A | SR7625                    | 23.5   | CB.                | CB2118-12   | 11/8                  | 1150                           | 6400                         |
| FEDERAL  | 209A | SR7625                    | 24.5   | CB.                | CB2118-12   | 11/8                  | 1195                           | 6800                         |
| FEDERAL  | 209A | SR7625                    | 26.0   | CB.                | CB2118-12   | 11/8                  | 1250                           | 7700                         |
| FEDERAL  | 209A | SR7625                    | 22.5   | REM.               | FIG8        | 11/8                  | 1090                           | 5300                         |
| FEDERAL  | 209A | SR7625                    | 24.0   | REM.               | FIG8        | 11/8                  | 1140                           | 5700                         |
| FEDERAL  | 209A | SR7625                    | 25.5   | REM.               | FIG8        | 11/8                  | 1205                           | 6600                         |
| FEDERAL  | 209A | SR7625                    | 26.5   | REM.               | FIG8        | 11/8                  | 1245                           | 7100                         |
| FEDERAL  | 209A | SR7625                    | 22.0   | FED.               | 12S3        | 11/8                  | 1090                           | 5600                         |
| FEDERAL  | 209A | SR7625                    | 23.5   | FED.               | 12S3        | 11/8                  | 1150                           | 6400                         |
| FEDERAL  | 209A | SR7625                    | 24.5   | FED.               | 12S3        | 11/8                  | 1190                           | 6900                         |
| FEDERAL  | 209A | SR7625                    | 26.5   | FED.               | 12S3        | 11/8                  | 1260                           | 7700                         |
| REMINGTON  | 209P | SR7625                    | 22.0   | WIN.               | WAA12       | 11/8                  | 1100                           | 5600                         |
| REMINGTON  | 209P | SR7625                    | 23.5   | WIN.               | WAA12       | 11/8                  | 1145                           | 6000                         |
| REMINGTON  | 209P | SR7625                    | 25.5   | WIN.               | WAA12       | 11/8                  | 1205                           | 6600                         |
| REMINGTON  | 209P | SR7625                    | 27.5   | WIN.               | WAA12       | 11/8                  | 1255                           | 7200                         |
| REMINGTON  | 209P | SR7625                    | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 4300                         |
| REMINGTON  | 209P | SR7625                    | 25.5   | WTW.               | WINDJAMMER  | 11/8                  | 1140                           | 4700                         |
| REMINGTON  | 209P | SR7625                    | 27.0   | WTW.               | WINDJAMMER  | 11/8                  | 1200                           | 5400                         |
| REMINGTON  | 209P | SR7625                    | 28.5   | WTW.               | WINDJAMMER  | 11/8                  | 1265                           | 6100                         |
| REMINGTON  | 209P | SR7625                    | 22.5   | CB.                | CB2118-12   | 11/8                  | 1105                           | 5300                         |
| REMINGTON  | 209P | SR7625                    | 24.5   | CB.                | CB2118-12   | 11/8                  | 1150                           | 5900                         |
| REMINGTON  | 209P | SR7625                    | 26.0   | CB.                | CB2118-12   | 11/8                  | 1205                           | 6600                         |
| REMINGTON  | 209P | SR7625                    | 27.0   | CB.                | CB2118-12   | 11/8                  | 1250                           | 7300                         |
| REMINGTON  | 209P | SR7625                    | 24.0   | REM.               | FIG8        | 11/8                  | 1100                           | 5000                         |
| REMINGTON  | 209P | SR7625                    | 25.5   | REM.               | FIG8        | 11/8                  | 1155                           | 5700                         |
| REMINGTON  | 209P | SR7625                    | 27.0   | REM.               | FIG8        | 11/8                  | 1205                           | 6000                         |
| REMINGTON  | 209P | SR7625                    | 28.5   | REM.               | FIG8        | 11/8                  | 1260                           | 6300                         |
| REMINGTON  | 209P | SR7625                    | 23.0   | FED.               | 12S3        | 11/8                  | 1095                           | 5200                         |
| REMINGTON  | 209P | SR7625                    | 24.5   | FED.               | 12S3        | 11/8                  | 1155                           | 6000                         |
| REMINGTON  | 209P | SR7625                    | 25.5   | FED.               | 12S3        | 11/8                  | 1195                           | 6400                         |
| REMINGTON  | 209P | SR7625                    | 27.0   | FED.               | 12S3        | 11/8                  | 1255                           | 7400                         |
| WINCHESTER   | 209  | SR7625                    | 22.5   | WIN.               | WAA12       | 11/8                  | 1100                           | 5600                         |
| WINCHESTER   | 209  | SR7625                    | 24.0   | WIN.               | WAA12       | 11/8                  | 1155                           | 6200                         |
| WINCHESTER   | 209  | SR7625                    | 25.0   | WIN.               | WAA12       | 11/8                  | 1190                           | 6600                         |
| WINCHESTER   | 209  | SR7625                    | 26.5   | WIN.               | WAA12       | 11/8                  | 1250                           | 7400                         |
| WINCHESTER   | 209  | SR7625                    | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 4900                         |
| WINCHESTER   | 209  | SR7625                    | 24.5   | WTW.               | WINDJAMMER  | 11/8                  | 1140                           | 5400                         |
| WINCHESTER   | 209  | SR7625                    | 26.0   | WTW.               | WINDJAMMER  | 11/8                  | 1200                           | 6200                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | WTW.               | WINDJAMMER  | 11/8                  | 1245                           | 6900                         |
| WINCHESTER   | 209  | SR7625                    | 22.5   | CB.                | CB2118-12   | 11/8                  | 1095                           | 5400                         |
| WINCHESTER   | 209  | SR7625                    | 24.0   | CB.                | CB2118-12   | 11/8                  | 1150                           | 6000                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | CB.                | CB2118-12   | 11/8                  | 1200                           | 6700                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | CB.                | CB2118-12   | 11/8                  | 1250                           | 7300                         |
| WINCHESTER   | 209  | SR7625                    | 23.0   | REM.               | FIG8        | 11/8                  | 1095                           | 5200                         |
| WINCHESTER   | 209  | SR7625                    | 24.5   | REM.               | FIG8        | 11/8                  | 1150                           | 5800                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | REM.               | FIG8        | 11/8                  | 1190                           | 6300                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | REM.               | FIG8        | 11/8                  | 1250                           | 7100                         |
| WINCHESTER   | 209  | SR7625                    | 23.0   | FED.               | 12S3        | 11/8                  | 1100                           | 5400                         |
| WINCHESTER   | 209  | SR7625                    | 24.5   | FED.               | 12S3        | 11/8                  | 1155                           | 6200                         |
| WINCHESTER   | 209  | SR7625                    | 25.5   | FED.               | 12S3        | 11/8                  | 1195                           | 6700                         |
| WINCHESTER   | 209  | SR7625                    | 27.0   | FED.               | 12S3        | 11/8                  | 1255                           | 7500                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 21.5   | WIN.               | WAA12       | 11/8                  | 1105                           | 5200                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 22.5   | WIN.               | WAA12       | 11/8                  | 1145                           | 5600                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 24.0   | WIN.               | WAA12       | 11/8                  | 1200                           | 6300                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 25.5   | WIN.               | WAA12       | 11/8                  | 1265                           | 7100                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 22.5   | WTW.               | WINDJAMMER  | 11/8                  | 1100                           | 4200                         |

## 12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| CCI  | 209  | "HI-SKOR" 800-X           | 23.5   | WTW                | WINDJAMMER  | 11/8                  | 1145                           | 4800                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 25.0   | WTW                | WINDJAMMER  | 11/8                  | 1205                           | 5700                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 26.0   | WTW                | WINDJAMMER  | 11/8                  | 1250                           | 6300                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 21.5   | CB                 | CB2118-12   | 11/8                  | 1095                           | 5000                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 23.0   | CB                 | CB2118-12   | 11/8                  | 1145                           | 5500                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 24.5   | CB                 | CB2118-12   | 11/8                  | 1205                           | 6200                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 26.0   | CB                 | CB2118-12   | 11/8                  | 1265                           | 6800                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 21.0   | REM.               | FIG 8       | 11/8                  | 1105                           | 5500                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 22.5   | REM.               | FIG 8       | 11/8                  | 1150                           | 5900                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 24.0   | REM.               | FIG 8       | 11/8                  | 1200                           | 6300                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 26.0   | REM.               | FIG 8       | 11/8                  | 1260                           | 6900                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 21.0   | FED.               | 12S3        | 11/8                  | 1095                           | 5800                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 22.5   | FED.               | 12S3        | 11/8                  | 1155                           | 6400                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 24.0   | FED.               | 12S3        | 11/8                  | 1200                           | 6800                         |
| CCI  | 209  | "HI-SKOR" 800-X           | 26.0   | FED.               | 12S3        | 11/8                  | 1260                           | 7300                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 20.5   | WIN.               | WAA12       | 11/8                  | 1100                           | 5800                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 21.5   | WIN.               | WAA12       | 11/8                  | 1140                           | 6300                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 23.0   | WIN.               | WAA12       | 11/8                  | 1195                           | 7000                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.5   | WIN.               | WAA12       | 11/8                  | 1255                           | 7700                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 22.0   | WTW                | WINDJAMMER  | 11/8                  | 1100                           | 4900                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 23.0   | WTW                | WINDJAMMER  | 11/8                  | 1145                           | 5400                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.0   | WTW                | WINDJAMMER  | 11/8                  | 1190                           | 5900                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 25.5   | WTW                | WINDJAMMER  | 11/8                  | 1260                           | 6700                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 20.5   | CB                 | CB2118-12   | 11/8                  | 1090                           | 5500                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 22.5   | CB                 | CB2118-12   | 11/8                  | 1150                           | 6200                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 23.0   | CB                 | CB2118-12   | 11/8                  | 1195                           | 6700                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.5   | CB                 | CB2118-12   | 11/8                  | 1250                           | 7400                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 21.0   | REM.               | FIG 8       | 11/8                  | 1100                           | 5400                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 22.5   | REM.               | FIG 8       | 11/8                  | 1155                           | 6000                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.0   | REM.               | FIG 8       | 11/8                  | 1205                           | 6600                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 25.5   | REM.               | FIG 8       | 11/8                  | 1255                           | 7100                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 20.5   | FED.               | 12S3        | 11/8                  | 1090                           | 5700                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 22.0   | FED.               | 12S3        | 11/8                  | 1155                           | 6400                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 23.0   | FED.               | 12S3        | 11/8                  | 1195                           | 6900                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 25.0   | FED.               | 12S3        | 11/8                  | 1265                           | 7700                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 20.5   | WIN.               | WAA12       | 11/8                  | 1100                           | 5800                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 21.5   | WIN.               | WAA12       | 11/8                  | 1140                           | 6300                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 23.0   | WIN.               | WAA12       | 11/8                  | 1195                           | 7000                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 25.0   | WIN.               | WAA12       | 11/8                  | 1265                           | 7700                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 22.0   | WTW                | WINDJAMMER  | 11/8                  | 1105                           | 4900                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 23.0   | WTW                | WINDJAMMER  | 11/8                  | 1150                           | 5400                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.0   | WTW                | WINDJAMMER  | 11/8                  | 1190                           | 5900                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 25.5   | WTW                | WINDJAMMER  | 11/8                  | 1255                           | 6700                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 20.5   | CB                 | CB2118-12   | 11/8                  | 1095                           | 5500                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 22.0   | CB                 | CB2118-12   | 11/8                  | 1145                           | 6000                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 23.5   | CB                 | CB2118-12   | 11/8                  | 1200                           | 6700                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 25.0   | CB                 | CB2118-12   | 11/8                  | 1260                           | 7400                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 21.0   | REM.               | FIG 8       | 11/8                  | 1100                           | 5400                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 22.0   | REM.               | FIG 8       | 11/8                  | 1140                           | 5900                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 23.5   | REM.               | FIG 8       | 11/8                  | 1200                           | 6500                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 25.0   | REM.               | FIG 8       | 11/8                  | 1255                           | 7100                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 20.5   | FED.               | 12S3        | 11/8                  | 1095                           | 5700                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 22.0   | FED.               | 12S3        | 11/8                  | 1155                           | 6300                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 23.0   | FED.               | 12S3        | 11/8                  | 1195                           | 6800                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.5   | FED.               | 12S3        | 11/8                  | 1250                           | 7500                         |
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b>              |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.0   | WIN.               | WAA12       | 11/8                  | 1100                           | 9500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA12       | 11/8                  | 1160                           | 10900                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5   | WTW                | WINDJAMMER  | 11/8                  | 1110                           | 8400                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5   | WTW                | WINDJAMMER  | 11/8                  | 1155                           | 9500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.5   | WTW                | WINDJAMMER  | 11/8                  | 1200                           | 10400                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 18.5   | WTW                | WINDJAMMER  | 11/8                  | 1240                           | 11100                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5   | CB                 | CB1118-12   | 11/8                  | 1110                           | 8500                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 16.5   | CB                 | CB1118-12   | 11/8                  | 1160                           | 9700                         |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 17.5   | CB                 | CB1118-12   | 11/8                  | 1200                           | 10800                        |
| FEDERAL  | 209A | "HI-SKOR" 700-X           | 15.5   | REM.               | FIG 8       | 11/8                  | 1105                           | 8900                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR. | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |      |                           |                       |                                |                              |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.5   | REM. | FIG8                      | 11/8                  | 1150                           | 10000                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.5   | REM. | FIG8                      | 11/8                  | 1195                           | 11000                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | FED. | 12S3                      | 11/8                  | 1095                           | 9300                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | FED. | 12S3                      | 11/8                  | 1135                           | 10200                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.5   | FED. | 12S3                      | 11/8                  | 1200                           | 11500                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | WIN. | WAA12                     | 11/8                  | 1090                           | 8500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | WIN. | WAA12                     | 11/8                  | 1140                           | 9600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.5   | WIN. | WAA12                     | 11/8                  | 1205                           | 11200                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | WTW. | WINDJAMMER                | 11/8                  | 1090                           | 7600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | WTW. | WINDJAMMER                | 11/8                  | 1135                           | 8400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | WTW. | WINDJAMMER                | 11/8                  | 1200                           | 9600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.0   | WTW. | WINDJAMMER                | 11/8                  | 1245                           | 10500                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | CB.  | CB1118-12                 | 11/8                  | 1110                           | 8000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | CB.  | CB1118-12                 | 11/8                  | 1155                           | 8900                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.5   | CB.  | CB1118-12                 | 11/8                  | 1195                           | 9800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.0   | CB.  | CB1118-12                 | 11/8                  | 1250                           | 11100                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | REM. | FIG8                      | 11/8                  | 1095                           | 8100                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | REM. | FIG8                      | 11/8                  | 1140                           | 9000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | REM. | FIG8                      | 11/8                  | 1205                           | 10400                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.0   | REM. | FIG8                      | 11/8                  | 1250                           | 11300                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.0   | FED. | 12S3                      | 11/8                  | 1095                           | 8900                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | FED. | 12S3                      | 11/8                  | 1150                           | 10200                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.5   | FED. | 12S3                      | 11/8                  | 1195                           | 11100                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | WIN. | WAA12                     | 11/8                  | 1105                           | 9300                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.5   | WIN. | WAA12                     | 11/8                  | 1145                           | 10200                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.5   | WIN. | WAA12                     | 11/8                  | 1190                           | 11200                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | WTW. | WINDJAMMER                | 11/8                  | 1100                           | 8000                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.5   | WTW. | WINDJAMMER                | 11/8                  | 1150                           | 8900                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.5   | WTW. | WINDJAMMER                | 11/8                  | 1190                           | 9800                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 19.0   | WTW. | WINDJAMMER                | 11/8                  | 1255                           | 11100                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | CB.  | CB1118-12                 | 11/8                  | 1095                           | 7700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.5   | CB.  | CB1118-12                 | 11/8                  | 1145                           | 8700                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.5   | CB.  | CB1118-12                 | 11/8                  | 1190                           | 9800                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 19.0   | CB.  | CB1118-12                 | 11/8                  | 1250                           | 11400                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | REM. | FIG8                      | 11/8                  | 1095                           | 8500                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.5   | REM. | FIG8                      | 11/8                  | 1140                           | 9400                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 18.0   | REM. | FIG8                      | 11/8                  | 1205                           | 10800                        |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 15.5   | FED. | 12S3                      | 11/8                  | 1100                           | 9000                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 16.5   | FED. | 12S3                      | 11/8                  | 1145                           | 9800                         |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 17.5   | FED. | 12S3                      | 11/8                  | 1190                           | 10900                        |
| FEDERAL   | 209A | PB                        | 18.5   | WIN. | WAA12                     | 11/8                  | 1100                           | 8200                         |
| FEDERAL   | 209A | PB                        | 20.0   | WIN. | WAA12                     | 11/8                  | 1155                           | 9200                         |
| FEDERAL   | 209A | PB                        | 21.0   | WIN. | WAA12                     | 11/8                  | 1190                           | 9900                         |
| FEDERAL   | 209A | PB                        | 23.0   | WIN. | WAA12                     | 11/8                  | 1260                           | 11000                        |
| FEDERAL   | 209A | PB                        | 19.5   | WTW. | WINDJAMMER                | 11/8                  | 1100                           | 6800                         |
| FEDERAL   | 209A | PB                        | 20.5   | WTW. | WINDJAMMER                | 11/8                  | 1145                           | 7500                         |
| FEDERAL   | 209A | PB                        | 22.0   | WTW. | WINDJAMMER                | 11/8                  | 1200                           | 8500                         |
| FEDERAL   | 209A | PB                        | 23.5   | WTW. | WINDJAMMER                | 11/8                  | 1260                           | 9500                         |
| FEDERAL   | 209A | PB                        | 19.0   | CB.  | CB1118-12                 | 11/8                  | 1100                           | 7300                         |
| FEDERAL   | 209A | PB                        | 20.5   | CB.  | CB1118-12                 | 11/8                  | 1150                           | 7900                         |
| FEDERAL   | 209A | PB                        | 22.0   | CB.  | CB1118-12                 | 11/8                  | 1205                           | 8700                         |
| FEDERAL   | 209A | PB                        | 23.5   | CB.  | CB1118-12                 | 11/8                  | 1260                           | 9500                         |
| FEDERAL   | 209A | PB                        | 19.5   | REM. | FIG8                      | 11/8                  | 1110                           | 7500                         |
| FEDERAL   | 209A | PB                        | 20.5   | REM. | FIG8                      | 11/8                  | 1150                           | 8100                         |
| FEDERAL   | 209A | PB                        | 22.0   | REM. | FIG8                      | 11/8                  | 1200                           | 8900                         |
| FEDERAL   | 209A | PB                        | 23.5   | REM. | FIG8                      | 11/8                  | 1255                           | 9600                         |
| FEDERAL   | 209A | PB                        | 18.5   | FED. | 12S4                      | 11/8                  | 1105                           | 8400                         |
| FEDERAL   | 209A | PB                        | 19.5   | FED. | 12S4                      | 11/8                  | 1140                           | 8800                         |
| FEDERAL   | 209A | PB                        | 21.0   | FED. | 12S4                      | 11/8                  | 1190                           | 9600                         |
| FEDERAL   | 209A | PB                        | 23.0   | FED. | 12S4                      | 11/8                  | 1265                           | 10900                        |
| REMINGTON   | 209P | PB                        | 19.5   | WIN. | WAA12                     | 11/8                  | 1105                           | 7300                         |
| REMINGTON   | 209P | PB                        | 20.5   | WIN. | WAA12                     | 11/8                  | 1145                           | 8000                         |
| REMINGTON   | 209P | PB                        | 22.0   | WIN. | WAA12                     | 11/8                  | 1200                           | 8700                         |
| REMINGTON   | 209P | PB                        | 23.5   | WIN. | WAA12                     | 11/8                  | 1255                           | 9500                         |
| REMINGTON   | 209P | PB                        | 20.0   | WTW. | WINDJAMMER                | 11/8                  | 1100                           | 6300                         |
| REMINGTON   | 209P | PB                        | 21.0   | WTW. | WINDJAMMER                | 11/8                  | 1140                           | 6900                         |
| REMINGTON   | 209P | PB                        | 22.5   | WTW. | WINDJAMMER                | 11/8                  | 1205                           | 7900                         |
| REMINGTON   | 209P | PB                        | 24.0   | WTW. | WINDJAMMER                | 11/8                  | 1265                           | 8900                         |
| REMINGTON   | 209P | PB                        | 19.5   | CB.  | CB1118-12                 | 11/8                  | 1090                           | 6400                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON   | 209P | PB                        | 21.0   | CB.                | CB1118-12   | 11/8                  | 1150                           | 7400                         |
| REMINGTON   | 209P | PB                        | 22.5   | CB.                | CB1118-12   | 11/8                  | 1200                           | 8000                         |
| REMINGTON   | 209P | PB                        | 24.0   | CB.                | CB1118-12   | 11/8                  | 1250                           | 8600                         |
| REMINGTON   | 209P | PB                        | 20.0   | REM.               | FIG8        | 11/8                  | 1100                           | 6800                         |
| REMINGTON   | 209P | PB                        | 21.5   | REM.               | FIG8        | 11/8                  | 1150                           | 7500                         |
| REMINGTON   | 209P | PB                        | 23.0   | REM.               | FIG8        | 11/8                  | 1205                           | 8400                         |
| REMINGTON   | 209P | PB                        | 24.5   | REM.               | FIG8        | 11/8                  | 1260                           | 9300                         |
| REMINGTON   | 209P | PB                        | 19.0   | FED.               | 12S4        | 11/8                  | 1100                           | 7700                         |
| REMINGTON   | 209P | PB                        | 20.0   | FED.               | 12S4        | 11/8                  | 1140                           | 8400                         |
| REMINGTON   | 209P | PB                        | 21.5   | FED.               | 12S4        | 11/8                  | 1195                           | 9300                         |
| REMINGTON   | 209P | PB                        | 23.0   | FED.               | 12S4        | 11/8                  | 1245                           | 10000                        |
| WINCHESTER  | 209  | PB                        | 19.0   | WIN.               | WAA12       | 11/8                  | 1100                           | 7700                         |
| WINCHESTER  | 209  | PB                        | 20.0   | WIN.               | WAA12       | 11/8                  | 1140                           | 8400                         |
| WINCHESTER  | 209  | PB                        | 22.0   | WIN.               | WAA12       | 11/8                  | 1205                           | 9400                         |
| WINCHESTER  | 209  | PB                        | 23.5   | WIN.               | WAA12       | 11/8                  | 1255                           | 10200                        |
| WINCHESTER  | 209  | PB                        | 20.0   | WTW.               | WINDJAMMER  | 11/8                  | 1105                           | 6700                         |
| WINCHESTER  | 209  | PB                        | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1145                           | 7300                         |
| WINCHESTER  | 209  | PB                        | 22.5   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 8200                         |
| WINCHESTER  | 209  | PB                        | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1260                           | 9100                         |
| WINCHESTER  | 209  | PB                        | 20.0   | CB.                | CB1118-12   | 11/8                  | 1100                           | 6700                         |
| WINCHESTER  | 209  | PB                        | 21.0   | CB.                | CB1118-12   | 11/8                  | 1140                           | 7200                         |
| WINCHESTER  | 209  | PB                        | 22.5   | CB.                | CB1118-12   | 11/8                  | 1200                           | 8000                         |
| WINCHESTER  | 209  | PB                        | 24.0   | CB.                | CB1118-12   | 11/8                  | 1255                           | 8800                         |
| WINCHESTER  | 209  | PB                        | 19.5   | REM.               | FIG8        | 11/8                  | 1095                           | 6900                         |
| WINCHESTER  | 209  | PB                        | 21.0   | REM.               | FIG8        | 11/8                  | 1155                           | 7900                         |
| WINCHESTER  | 209  | PB                        | 22.0   | REM.               | FIG8        | 11/8                  | 1190                           | 8400                         |
| WINCHESTER  | 209  | PB                        | 23.5   | REM.               | FIG8        | 11/8                  | 1250                           | 9300                         |
| WINCHESTER  | 209  | PB                        | 19.0   | FED.               | 12S4        | 11/8                  | 1095                           | 7700                         |
| WINCHESTER  | 209  | PB                        | 20.5   | FED.               | 12S4        | 11/8                  | 1155                           | 8500                         |
| WINCHESTER  | 209  | PB                        | 21.5   | FED.               | 12S4        | 11/8                  | 1190                           | 9100                         |
| WINCHESTER  | 209  | PB                        | 23.5   | FED.               | 12S4        | 11/8                  | 1260                           | 10400                        |
| FEDERAL   | 209A | SR7625                    | 19.5   | WIN.               | WAA12       | 11/8                  | 1100                           | 7900                         |
| FEDERAL   | 209A | SR7625                    | 20.5   | WIN.               | WAA12       | 11/8                  | 1140                           | 8500                         |
| FEDERAL   | 209A | SR7625                    | 22.0   | WIN.               | WAA12       | 11/8                  | 1205                           | 9700                         |
| FEDERAL   | 209A | SR7625                    | 23.0   | WIN.               | WAA12       | 11/8                  | 1245                           | 10500                        |
| FEDERAL   | 209A | SR7625                    | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1105                           | 6500                         |
| FEDERAL   | 209A | SR7625                    | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1150                           | 7200                         |
| FEDERAL   | 209A | SR7625                    | 23.5   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7800                         |
| FEDERAL   | 209A | SR7625                    | 25.0   | WTW.               | WINDJAMMER  | 11/8                  | 1255                           | 8400                         |
| FEDERAL   | 209A | SR7625                    | 20.0   | CB.                | CB1118-12   | 11/8                  | 1090                           | 6900                         |
| FEDERAL   | 209A | SR7625                    | 21.5   | CB.                | CB1118-12   | 11/8                  | 1150                           | 7900                         |
| FEDERAL   | 209A | SR7625                    | 22.5   | CB.                | CB1118-12   | 11/8                  | 1190                           | 8400                         |
| FEDERAL   | 209A | SR7625                    | 24.0   | CB.                | CB1118-12   | 11/8                  | 1250                           | 9200                         |
| FEDERAL   | 209A | SR7625                    | 20.5   | REM.               | RXP12       | 11/8                  | 1095                           | 7200                         |
| FEDERAL   | 209A | SR7625                    | 22.0   | REM.               | RXP12       | 11/8                  | 1155                           | 8000                         |
| FEDERAL   | 209A | SR7625                    | 23.0   | REM.               | RXP12       | 11/8                  | 1190                           | 8600                         |
| FEDERAL   | 209A | SR7625                    | 24.5   | REM.               | RXP12       | 11/8                  | 1250                           | 9400                         |
| FEDERAL   | 209A | SR7625                    | 20.0   | FED.               | 12S3        | 11/8                  | 1095                           | 7300                         |
| FEDERAL   | 209A | SR7625                    | 21.0   | FED.               | 12S3        | 11/8                  | 1140                           | 8100                         |
| FEDERAL   | 209A | SR7625                    | 22.5   | FED.               | 12S3        | 11/8                  | 1195                           | 9100                         |
| FEDERAL   | 209A | SR7625                    | 24.0   | FED.               | 12S3        | 11/8                  | 1250                           | 10000                        |
| REMINGTON   | 209P | SR7625                    | 20.0   | WIN.               | WAA12       | 11/8                  | 1090                           | 7100                         |
| REMINGTON   | 209P | SR7625                    | 21.5   | WIN.               | WAA12       | 11/8                  | 1150                           | 8000                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | WIN.               | WAA12       | 11/8                  | 1200                           | 8700                         |
| REMINGTON   | 209P | SR7625                    | 24.5   | WIN.               | WAA12       | 11/8                  | 1255                           | 9400                         |
| REMINGTON   | 209P | SR7625                    | 21.5   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 6000                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1150                           | 6700                         |
| REMINGTON   | 209P | SR7625                    | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1195                           | 7300                         |
| REMINGTON   | 209P | SR7625                    | 25.5   | WTW.               | WINDJAMMER  | 11/8                  | 1260                           | 8400                         |
| REMINGTON   | 209P | SR7625                    | 20.5   | CB.                | CB1118-12   | 11/8                  | 1095                           | 6400                         |
| REMINGTON   | 209P | SR7625                    | 22.0   | CB.                | CB1118-12   | 11/8                  | 1155                           | 7400                         |
| REMINGTON   | 209P | SR7625                    | 23.0   | CB.                | CB1118-12   | 11/8                  | 1195                           | 8000                         |
| REMINGTON   | 209P | SR7625                    | 24.5   | CB.                | CB1118-12   | 11/8                  | 1250                           | 8800                         |
| REMINGTON   | 209P | SR7625                    | 21.0   | REM.               | RXP12       | 11/8                  | 1095                           | 6500                         |
| REMINGTON   | 209P | SR7625                    | 22.5   | REM.               | RXP12       | 11/8                  | 1150                           | 7400                         |
| REMINGTON   | 209P | SR7625                    | 24.0   | REM.               | RXP12       | 11/8                  | 1205                           | 8200                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON   | 209P | SR7625                    | 25.5   | REM.               | RXP12       | 11/8                  | 1250                           | 9000                         |
| REMINGTON   | 209P | SR7625                    | 21.0   | FED.               | 12S3        | 11/8                  | 1110                           | 7200                         |
| REMINGTON   | 209P | SR7625                    | 22.0   | FED.               | 12S3        | 11/8                  | 1150                           | 7800                         |
| REMINGTON   | 209P | SR7625                    | 23.5   | FED.               | 12S3        | 11/8                  | 1210                           | 8700                         |
| REMINGTON   | 209P | SR7625                    | 24.5   | FED.               | 12S3        | 11/8                  | 1250                           | 9500                         |
| WINCHESTER  | 209  | SR7625                    | 20.5   | WIN.               | WAA12       | 11/8                  | 1090                           | 7000                         |
| WINCHESTER  | 209  | SR7625                    | 22.0   | WIN.               | WAA12       | 11/8                  | 1155                           | 7900                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | WIN.               | WAA12       | 11/8                  | 1195                           | 8600                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | WIN.               | WAA12       | 11/8                  | 1250                           | 9500                         |
| WINCHESTER  | 209  | SR7625                    | 21.5   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 5900                         |
| WINCHESTER  | 209  | SR7625                    | 22.5   | WTW.               | WINDJAMMER  | 11/8                  | 1140                           | 6500                         |
| WINCHESTER  | 209  | SR7625                    | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7700                         |
| WINCHESTER  | 209  | SR7625                    | 25.0   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 8500                         |
| WINCHESTER  | 209  | SR7625                    | 21.0   | CB.                | CB1118-12   | 11/8                  | 1090                           | 6200                         |
| WINCHESTER  | 209  | SR7625                    | 22.5   | CB.                | CB1118-12   | 11/8                  | 1155                           | 7200                         |
| WINCHESTER  | 209  | SR7625                    | 23.0   | CB.                | CB1118-12   | 11/8                  | 1200                           | 7600                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | CB.                | CB1118-12   | 11/8                  | 1245                           | 8600                         |
| WINCHESTER  | 209  | SR7625                    | 21.0   | REM.               | RXP12       | 11/8                  | 1090                           | 6200                         |
| WINCHESTER  | 209  | SR7625                    | 22.5   | REM.               | RXP12       | 11/8                  | 1155                           | 7400                         |
| WINCHESTER  | 209  | SR7625                    | 23.5   | REM.               | RXP12       | 11/8                  | 1195                           | 7900                         |
| WINCHESTER  | 209  | SR7625                    | 25.0   | REM.               | RXP12       | 11/8                  | 1250                           | 8800                         |
| WINCHESTER  | 209  | SR7625                    | 20.5   | FED.               | 12S3        | 11/8                  | 1090                           | 6700                         |
| WINCHESTER  | 209  | SR7625                    | 22.0   | FED.               | 12S3        | 11/8                  | 1145                           | 7800                         |
| WINCHESTER  | 209  | SR7625                    | 23.5   | FED.               | 12S3        | 11/8                  | 1205                           | 8800                         |
| WINCHESTER  | 209  | SR7625                    | 24.5   | FED.               | 12S3        | 11/8                  | 1255                           | 9600                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 19.5   | WIN.               | WAA12       | 11/8                  | 1105                           | 6900                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 20.5   | WIN.               | WAA12       | 11/8                  | 1150                           | 7500                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 21.5   | WIN.               | WAA12       | 11/8                  | 1190                           | 8200                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 23.0   | WIN.               | WAA12       | 11/8                  | 1255                           | 9100                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 20.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 6000                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1145                           | 6700                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1195                           | 7300                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 23.5   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 8200                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 19.5   | CB.                | CB1118-12   | 11/8                  | 1095                           | 6200                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 21.0   | CB.                | CB1118-12   | 11/8                  | 1155                           | 7000                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 22.0   | CB.                | CB1118-12   | 11/8                  | 1195                           | 7500                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 23.5   | CB.                | CB1118-12   | 11/8                  | 1255                           | 8400                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 19.5   | REM.               | FIG8        | 11/8                  | 1095                           | 6500                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 21.0   | REM.               | FIG8        | 11/8                  | 1155                           | 7200                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 22.0   | REM.               | FIG8        | 11/8                  | 1190                           | 7600                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 24.0   | REM.               | FIG8        | 11/8                  | 1265                           | 8700                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 19.5   | FED.               | 12S3        | 11/8                  | 1100                           | 7000                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 20.5   | FED.               | 12S3        | 11/8                  | 1140                           | 7600                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 22.0   | FED.               | 12S3        | 11/8                  | 1200                           | 8500                         |
| CCI   | 209  | "HI-SKOR" 800-X           | 23.5   | FED.               | 12S3        | 11/8                  | 1260                           | 9400                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.0   | WIN.               | WAA12       | 11/8                  | 1095                           | 7200                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 20.0   | WIN.               | WAA12       | 11/8                  | 1145                           | 8000                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 21.0   | WIN.               | WAA12       | 11/8                  | 1190                           | 8700                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 22.5   | WIN.               | WAA12       | 11/8                  | 1250                           | 9700                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 20.0   | WTW.               | WINDJAMMER  | 11/8                  | 1110                           | 6500                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1160                           | 7200                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7900                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 8600                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.5   | CB.                | CB1118-12   | 11/8                  | 1105                           | 6800                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 20.5   | CB.                | CB1118-12   | 11/8                  | 1150                           | 7500                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 21.5   | CB.                | CB1118-12   | 11/8                  | 1200                           | 8200                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 23.0   | CB.                | CB1118-12   | 11/8                  | 1250                           | 9000                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.5   | REM.               | FIG8        | 11/8                  | 1100                           | 6900                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 20.5   | REM.               | FIG8        | 11/8                  | 1140                           | 7500                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 22.0   | REM.               | FIG8        | 11/8                  | 1200                           | 8400                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 23.5   | REM.               | FIG8        | 11/8                  | 1260                           | 9200                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.0   | FED.               | 12S3        | 11/8                  | 1100                           | 7300                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 20.0   | FED.               | 12S3        | 11/8                  | 1140                           | 8000                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 21.5   | FED.               | 12S3        | 11/8                  | 1205                           | 9000                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 23.0   | FED.               | 12S3        | 11/8                  | 1260                           | 9900                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.0   | WIN.               | WAA12       | 11/8                  | 1090                           | 6900                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 20.0   | WIN.               | WAA12       | 11/8                  | 1140                           | 7800                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 21.0   | WIN.               | WAA12       | 11/8                  | 1190                           | 8600                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 22.5   | WIN.               | WAA12       | 11/8                  | 1250                           | 9600                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 20.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 6200                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1145                           | 6900                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1190                           | 7500                         |

## 12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR. | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |      |                           |                       |                                |                              |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 23.5   | WTW  | WINDJAMMER                | 11/8                  | 1250                           | 8400                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.5   | CB   | CB1118-12                 | 11/8                  | 1100                           | 6500                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 20.5   | CB   | CB1118-12                 | 11/8                  | 1145                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 21.5   | CB   | CB1118-12                 | 11/8                  | 1190                           | 7800                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 23.0   | CB   | CB1118-12                 | 11/8                  | 1250                           | 8700                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.5   | REM. | FIG8                      | 11/8                  | 1095                           | 6500                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 20.5   | REM. | FIG8                      | 11/8                  | 1140                           | 7200                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 22.0   | REM. | FIG8                      | 11/8                  | 1205                           | 8100                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 23.5   | REM. | FIG8                      | 11/8                  | 1265                           | 8900                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.0   | FED. | 12S3                      | 11/8                  | 1090                           | 6800                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 20.0   | FED. | 12S3                      | 11/8                  | 1135                           | 7500                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 21.5   | FED. | 12S3                      | 11/8                  | 1205                           | 8500                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 23.0   | FED. | 12S3                      | 11/8                  | 1260                           | 9600                         |
| <b>SHELL: REMINGTON GUN CLUB</b>                    |      |                           |        |      |                           |                       |                                |                              |
| CHEDDITE  | 209  | HI-SKOR 700X              | 16.0   | FED. | 12S3                      | 11/8                  | 1144                           | 10300                        |
| CHEDDITE  | 209  | HI-SKOR 700X              | 16.5   | REM. | FIG8                      | 11/8                  | 1143                           | 9600                         |
| CHEDDITE  | 209  | HI-SKOR 700X              | 18.0   | REM. | FIG8                      | 11/8                  | 1204                           | 10600                        |
| CHEDDITE  | 209  | HI-SKOR 700X              | 16.0   | WIN. | WAA12                     | 11/8                  | 1146                           | 10200                        |
| CHEDDITE  | 209  | HI-SKOR 700X              | 17.5   | WIN. | WAA12                     | 11/8                  | 1204                           | 11400                        |
| REMINGTON   | STS  | HI-SKOR 700X              | 16.0   | FED. | 12S3                      | 11/8                  | 1148                           | 10700                        |
| REMINGTON   | STS  | HI-SKOR 700X              | 16.5   | REM. | FIG8                      | 11/8                  | 1147                           | 9400                         |
| REMINGTON   | STS  | HI-SKOR 700X              | 17.5   | REM. | FIG8                      | 11/8                  | 1198                           | 10700                        |
| REMINGTON   | STS  | HI-SKOR 700X              | 16.0   | WIN. | WAA12                     | 11/8                  | 1149                           | 10200                        |
| REMINGTON   | STS  | HI-SKOR 700X              | 17.0   | WIN. | WAA12                     | 11/8                  | 1199                           | 11300                        |
| <b>SHELL: WINCHESTER AA</b>                         |      |                           |        |      |                           |                       |                                |                              |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | WIN. | WAA12                     | 11/8                  | 1090                           | 9100                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | WIN. | WAA12                     | 11/8                  | 1135                           | 10000                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.5   | WIN. | WAA12                     | 11/8                  | 1200                           | 11300                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | WTW. | WINDJAMMER                | 11/8                  | 1095                           | 8200                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | WTW. | WINDJAMMER                | 11/8                  | 1140                           | 9000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.5   | WTW. | WINDJAMMER                | 11/8                  | 1200                           | 10100                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 19.0   | WTW. | WINDJAMMER                | 11/8                  | 1255                           | 11000                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.0   | CB.  | CB1118-12                 | 11/8                  | 1095                           | 8500                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.0   | CB.  | CB1118-12                 | 11/8                  | 1140                           | 9400                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 17.5   | CB.  | CB1118-12                 | 11/8                  | 1200                           | 10700                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.5   | CB.  | CB1118-12                 | 11/8                  | 1245                           | 11500                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.5   | REM. | FIG8                      | 11/8                  | 1100                           | 8900                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.5   | REM. | FIG8                      | 11/8                  | 1145                           | 9600                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.0   | REM. | FIG8                      | 11/8                  | 1205                           | 10600                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 19.0   | REM. | FIG8                      | 11/8                  | 1240                           | 11200                        |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 15.5   | FED. | 12S3                      | 11/8                  | 1100                           | 9000                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 16.5   | FED. | 12S3                      | 11/8                  | 1145                           | 9900                         |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.0   | FED. | 12S3                      | 11/8                  | 1205                           | 11200                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | WIN. | WAA12                     | 11/8                  | 1095                           | 8200                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | WIN. | WAA12                     | 11/8                  | 1150                           | 9000                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.5   | WIN. | WAA12                     | 11/8                  | 1205                           | 9800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 20.0   | WIN. | WAA12                     | 11/8                  | 1260                           | 10800                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | WTW. | WINDJAMMER                | 11/8                  | 1090                           | 6800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.5   | WTW. | WINDJAMMER                | 11/8                  | 1145                           | 7600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.0   | WTW. | WINDJAMMER                | 11/8                  | 1195                           | 8500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 20.5   | WTW. | WINDJAMMER                | 11/8                  | 1245                           | 9300                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | CB.  | CB1118-12                 | 11/8                  | 1090                           | 6900                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | CB.  | CB1118-12                 | 11/8                  | 1150                           | 7900                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | CB.  | CB1118-12                 | 11/8                  | 1195                           | 8900                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5   | CB.  | CB1118-12                 | 11/8                  | 1255                           | 10400                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.0   | REM. | FIG8                      | 11/8                  | 1100                           | 7900                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 17.0   | REM. | FIG8                      | 11/8                  | 1145                           | 8400                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.5   | REM. | FIG8                      | 11/8                  | 1205                           | 9500                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5   | REM. | FIG8                      | 11/8                  | 1250                           | 10200                        |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 15.5   | FED. | 12S3                      | 11/8                  | 1090                           | 7800                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 16.5   | FED. | 12S3                      | 11/8                  | 1135                           | 8600                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 18.0   | FED. | 12S3                      | 11/8                  | 1190                           | 9700                         |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5   | FED. | 12S3                      | 11/8                  | 1250                           | 10900                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b> |      |                           |        |                    |             |                       |                                |                              |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5   | WIN.               | WAA12       | 11/8                  | 1105                           | 9200                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA12       | 11/8                  | 1150                           | 10100                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.5   | WIN.               | WAA12       | 11/8                  | 1190                           | 10800                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5   | WTW.               | WINDJAMMER  | 11/8                  | 1110                           | 8100                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.5   | WTW.               | WINDJAMMER  | 11/8                  | 1150                           | 8900                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.5   | WTW.               | WINDJAMMER  | 11/8                  | 1195                           | 9700                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 19.0   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 11000                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5   | CB.                | CB1118-12   | 11/8                  | 1105                           | 8600                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.5   | CB.                | CB1118-12   | 11/8                  | 1150                           | 9500                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.5   | CB.                | CB1118-12   | 11/8                  | 1195                           | 10200                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 19.0   | CB.                | CB1118-12   | 11/8                  | 1255                           | 11200                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5   | REM.               | FIG8        | 11/8                  | 1090                           | 8300                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.5   | REM.               | FIG8        | 11/8                  | 1135                           | 9000                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 18.0   | REM.               | FIG8        | 11/8                  | 1200                           | 10200                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 19.5   | REM.               | FIG8        | 11/8                  | 1255                           | 11400                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 15.5   | FED.               | 12S3        | 11/8                  | 1100                           | 9500                         |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 16.5   | FED.               | 12S3        | 11/8                  | 1150                           | 10400                        |
| WINCHESTER                  | 209  | "HI-SKOR" 700-X           | 17.5   | FED.               | 12S3        | 11/8                  | 1190                           | 11100                        |
| FEDERAL                     | 209A | PB                        | 19.0   | WIN.               | WAA12       | 11/8                  | 1100                           | 7500                         |
| FEDERAL                     | 209A | PB                        | 20.5   | WIN.               | WAA12       | 11/8                  | 1150                           | 8200                         |
| FEDERAL                     | 209A | PB                        | 22.0   | WIN.               | WAA12       | 11/8                  | 1205                           | 8900                         |
| FEDERAL                     | 209A | PB                        | 23.5   | WIN.               | WAA12       | 11/8                  | 1260                           | 9700                         |
| FEDERAL                     | 209A | PB                        | 19.5   | WTW.               | WINDJAMMER  | 11/8                  | 1100                           | 6400                         |
| FEDERAL                     | 209A | PB                        | 21.0   | WTW.               | WINDJAMMER  | 11/8                  | 1155                           | 7000                         |
| FEDERAL                     | 209A | PB                        | 22.5   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7800                         |
| FEDERAL                     | 209A | PB                        | 24.0   | WTW.               | WINDJAMMER  | 11/8                  | 1260                           | 8700                         |
| FEDERAL                     | 209A | PB                        | 19.5   | CB.                | CB1118-12   | 11/8                  | 1105                           | 6600                         |
| FEDERAL                     | 209A | PB                        | 21.0   | CB.                | CB1118-12   | 11/8                  | 1155                           | 7400                         |
| FEDERAL                     | 209A | PB                        | 22.5   | CB.                | CB1118-12   | 11/8                  | 1205                           | 7900                         |
| FEDERAL                     | 209A | PB                        | 24.0   | CB.                | CB1118-12   | 11/8                  | 1255                           | 8600                         |
| FEDERAL                     | 209A | PB                        | 19.5   | REM.               | RXP12       | 11/8                  | 1105                           | 7100                         |
| FEDERAL                     | 209A | PB                        | 20.5   | REM.               | RXP12       | 11/8                  | 1140                           | 7600                         |
| FEDERAL                     | 209A | PB                        | 22.0   | REM.               | RXP12       | 11/8                  | 1195                           | 8400                         |
| FEDERAL                     | 209A | PB                        | 23.5   | REM.               | RXP12       | 11/8                  | 1250                           | 9300                         |
| FEDERAL                     | 209A | PB                        | 19.0   | FED.               | 12S4        | 11/8                  | 1100                           | 7600                         |
| FEDERAL                     | 209A | PB                        | 20.5   | FED.               | 12S4        | 11/8                  | 1150                           | 8300                         |
| FEDERAL                     | 209A | PB                        | 22.0   | FED.               | 12S4        | 11/8                  | 1200                           | 9100                         |
| FEDERAL                     | 209A | PB                        | 23.5   | FED.               | 12S4        | 11/8                  | 1255                           | 10100                        |
| REMINGTON                   | 209P | PB                        | 20.0   | WIN.               | WAA12       | 11/8                  | 1100                           | 6500                         |
| REMINGTON                   | 209P | PB                        | 21.0   | WIN.               | WAA12       | 11/8                  | 1140                           | 7100                         |
| REMINGTON                   | 209P | PB                        | 23.0   | WIN.               | WAA12       | 11/8                  | 1200                           | 7700                         |
| REMINGTON                   | 209P | PB                        | 24.5   | WIN.               | WAA12       | 11/8                  | 1260                           | 8800                         |
| REMINGTON                   | 209P | PB                        | 20.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 5700                         |
| REMINGTON                   | 209P | PB                        | 21.5   | WTW.               | WINDJAMMER  | 11/8                  | 1145                           | 6400                         |
| REMINGTON                   | 209P | PB                        | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7300                         |
| REMINGTON                   | 209P | PB                        | 24.5   | WTW.               | WINDJAMMER  | 11/8                  | 1255                           | 7900                         |
| REMINGTON                   | 209P | PB                        | 20.5   | CB.                | CB1118-12   | 11/8                  | 1100                           | 5500                         |
| REMINGTON                   | 209P | PB                        | 21.5   | CB.                | CB1118-12   | 11/8                  | 1140                           | 6100                         |
| REMINGTON                   | 209P | PB                        | 23.0   | CB.                | CB1118-12   | 11/8                  | 1200                           | 7100                         |
| REMINGTON                   | 209P | PB                        | 24.5   | CB.                | CB1118-12   | 11/8                  | 1250                           | 7700                         |
| REMINGTON                   | 209P | PB                        | 20.0   | REM.               | RXP12       | 11/8                  | 1100                           | 6400                         |
| REMINGTON                   | 209P | PB                        | 21.0   | REM.               | RXP12       | 11/8                  | 1140                           | 7000                         |
| REMINGTON                   | 209P | PB                        | 22.5   | REM.               | RXP12       | 11/8                  | 1200                           | 8000                         |
| REMINGTON                   | 209P | PB                        | 24.0   | REM.               | RXP12       | 11/8                  | 1255                           | 8900                         |
| REMINGTON                   | 209P | PB                        | 19.5   | FED.               | 12S4        | 11/8                  | 1095                           | 6900                         |
| REMINGTON                   | 209P | PB                        | 20.5   | FED.               | 12S4        | 11/8                  | 1140                           | 7700                         |
| REMINGTON                   | 209P | PB                        | 22.0   | FED.               | 12S4        | 11/8                  | 1195                           | 8600                         |
| REMINGTON                   | 209P | PB                        | 24.0   | FED.               | 12S4        | 11/8                  | 1260                           | 9600                         |
| WINCHESTER                  | 209  | PB                        | 19.5   | WIN.               | WAA12       | 11/8                  | 1095                           | 6900                         |
| WINCHESTER                  | 209  | PB                        | 21.0   | WIN.               | WAA12       | 11/8                  | 1150                           | 7700                         |
| WINCHESTER                  | 209  | PB                        | 22.5   | WIN.               | WAA12       | 11/8                  | 1205                           | 8600                         |
| WINCHESTER                  | 209  | PB                        | 24.0   | WIN.               | WAA12       | 11/8                  | 1265                           | 9400                         |
| WINCHESTER                  | 209  | PB                        | 20.0   | WTW.               | WINDJAMMER  | 11/8                  | 1100                           | 6200                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | WTW.               | WINDJAMMER  | 11/8                  | 1155                           | 6900                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | WTW.               | WINDJAMMER  | 11/8                  | 1205                           | 7400                         |
| WINCHESTER                  | 209  | PB                        | 24.5   | WTW.               | WINDJAMMER  | 11/8                  | 1260                           | 8400                         |
| WINCHESTER                  | 209  | PB                        | 20.0   | CB.                | CB1118-12   | 11/8                  | 1100                           | 6300                         |
| WINCHESTER                  | 209  | PB                        | 21.5   | CB.                | CB1118-12   | 11/8                  | 1155                           | 7000                         |
| WINCHESTER                  | 209  | PB                        | 23.0   | CB.                | CB1118-12   | 11/8                  | 1210                           | 7900                         |
| WINCHESTER                  | 209  | PB                        | 24.0   | CB.                | CB1118-12   | 11/8                  | 1250                           | 8500                         |
| WINCHESTER                  | 209  | PB                        | 20.0   | REM.               | RXP12       | 11/8                  | 1110                           | 6900                         |
| WINCHESTER                  | 209  | PB                        | 21.0   | REM.               | RXP12       | 11/8                  | 1155                           | 7500                         |
| WINCHESTER                  | 209  | PB                        | 22.5   | REM.               | RXP12       | 11/8                  | 1205                           | 8500                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 12 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b> |      |                           |        |                    |             |                       |                                |                              |
| WINCHESTER                  | 209  | PB                        | 24.0   | REM.               | RXP12       | 11/8                  | 1265                           | 9500                         |
| WINCHESTER                  | 209  | PB                        | 19.5   | FED.               | 12S4        | 11/8                  | 1105                           | 7400                         |
| WINCHESTER                  | 209  | PB                        | 20.5   | FED.               | 12S4        | 11/8                  | 1145                           | 8000                         |
| WINCHESTER                  | 209  | PB                        | 22.0   | FED.               | 12S4        | 11/8                  | 1200                           | 8900                         |
| WINCHESTER                  | 209  | PB                        | 23.5   | FED.               | 12S4        | 11/8                  | 1255                           | 9900                         |
| FEDERAL                     | 209A | SR7625                    | 21.0   | WIN.               | WAA12       | 11/8                  | 1100                           | 6800                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | WIN.               | WAA12       | 11/8                  | 1155                           | 7400                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | WIN.               | WAA12       | 11/8                  | 1190                           | 7900                         |
| FEDERAL                     | 209A | SR7625                    | 25.5   | WIN.               | WAA12       | 11/8                  | 1260                           | 9100                         |
| FEDERAL                     | 209A | SR7625                    | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 5400                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | WTW.               | WINDJAMMER  | 11/8                  | 1155                           | 6400                         |
| FEDERAL                     | 209A | SR7625                    | 24.5   | WTW.               | WINDJAMMER  | 11/8                  | 1200                           | 7200                         |
| FEDERAL                     | 209A | SR7625                    | 25.5   | WTW.               | WINDJAMMER  | 11/8                  | 1245                           | 7900                         |
| FEDERAL                     | 209A | SR7625                    | 21.5   | CB.                | CB1118-12   | 11/8                  | 1105                           | 6300                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | CB.                | CB1118-12   | 11/8                  | 1145                           | 6800                         |
| FEDERAL                     | 209A | SR7625                    | 24.0   | CB.                | CB1118-12   | 11/8                  | 1195                           | 7600                         |
| FEDERAL                     | 209A | SR7625                    | 25.5   | CB.                | CB1118-12   | 11/8                  | 1250                           | 8400                         |
| FEDERAL                     | 209A | SR7625                    | 21.5   | REM.               | RXP12       | 11/8                  | 1095                           | 6100                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | REM.               | RXP12       | 11/8                  | 1140                           | 6800                         |
| FEDERAL                     | 209A | SR7625                    | 24.0   | REM.               | RXP12       | 11/8                  | 1195                           | 7700                         |
| FEDERAL                     | 209A | SR7625                    | 25.5   | REM.               | RXP12       | 11/8                  | 1250                           | 8600                         |
| FEDERAL                     | 209A | SR7625                    | 21.0   | FED.               | 12S4        | 11/8                  | 1100                           | 6800                         |
| FEDERAL                     | 209A | SR7625                    | 22.5   | FED.               | 12S4        | 11/8                  | 1155                           | 7600                         |
| FEDERAL                     | 209A | SR7625                    | 23.5   | FED.               | 12S4        | 11/8                  | 1195                           | 8300                         |
| FEDERAL                     | 209A | SR7625                    | 25.0   | FED.               | 12S4        | 11/8                  | 1255                           | 9300                         |
| REMINGTON                   | 209P | SR7625                    | 22.0   | WIN.               | WAA12       | 11/8                  | 1110                           | 6000                         |
| REMINGTON                   | 209P | SR7625                    | 23.0   | WIN.               | WAA12       | 11/8                  | 1145                           | 6400                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | WIN.               | WAA12       | 11/8                  | 1195                           | 7200                         |
| REMINGTON                   | 209P | SR7625                    | 26.0   | WIN.               | WAA12       | 11/8                  | 1255                           | 8000                         |
| REMINGTON                   | 209P | SR7625                    | 22.0   | WTW.               | WINDJAMMER  | 11/8                  | 1095                           | 5100                         |
| REMINGTON                   | 209P | SR7625                    | 23.5   | WTW.               | WINDJAMMER  | 11/8                  | 1150                           | 5900                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | WTW.               | WINDJAMMER  | 11/8                  | 1190                           | 6400                         |
| REMINGTON                   | 209P | SR7625                    | 26.0   | WTW.               | WINDJAMMER  | 11/8                  | 1250                           | 7200                         |
| REMINGTON                   | 209P | SR7625                    | 22.0   | CB.                | CB1118-12   | 11/8                  | 1105                           | 5600                         |
| REMINGTON                   | 209P | SR7625                    | 23.0   | CB.                | CB1118-12   | 11/8                  | 1145                           | 6300                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | CB.                | CB1118-12   | 11/8                  | 1205                           | 7300                         |
| REMINGTON                   | 209P | SR7625                    | 25.5   | CB.                | CB1118-12   | 11/8                  | 1250                           | 8000                         |
| REMINGTON                   | 209P | SR7625                    | 22.0   | REM.               | RXP12       | 11/8                  | 1105                           | 5800                         |
| REMINGTON                   | 209P | SR7625                    | 23.0   | REM.               | RXP12       | 11/8                  | 1145                           | 6300                         |
| REMINGTON                   | 209P | SR7625                    | 24.5   | REM.               | RXP12       | 11/8                  | 1205                           | 7400                         |
| REMINGTON                   | 209P | SR7625                    | 25.5   | REM.               | RXP12       | 11/8                  | 1250                           | 8200                         |
| REMINGTON                   | 209P | SR7625                    | 21.5   | FED.               | 12S4        | 11/8                  | 1100                           | 6500                         |
| REMINGTON                   | 209P | SR7625                    | 22.5   | FED.               | 12S4        | 11/8                  | 1145                           | 7200                         |
| REMINGTON                   | 209P | SR7625                    | 24.0   | FED.               | 12S4        | 11/8                  | 1205                           | 8100                         |
| REMINGTON                   | 209P | SR7625                    | 25.5   | FED.               | 12S4        | 11/8                  | 1255                           | 9100                         |
| WINCHESTER                  | 209  | SR7625                    | 21.0   | WIN.               | WAA12       | 1 1/8                 | 1090                           | 6400                         |
| WINCHESTER                  | 209  | SR7625                    | 22.5   | WIN.               | WAA12       | 1 1/8                 | 1150                           | 7300                         |
| WINCHESTER                  | 209  | SR7625                    | 23.5   | WIN.               | WAA12       | 1 1/8                 | 1190                           | 7900                         |
| WINCHESTER                  | 209  | SR7625                    | 25.5   | WIN.               | WAA12       | 1 1/8                 | 1265                           | 9600                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1105                           | 5700                         |
| WINCHESTER                  | 209  | SR7625                    | 23.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1140                           | 6200                         |
| WINCHESTER                  | 209  | SR7625                    | 24.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1200                           | 6900                         |
| WINCHESTER                  | 209  | SR7625                    | 26.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1255                           | 7900                         |
| WINCHESTER                  | 209  | SR7625                    | 21.5   | CB.                | CB1118-12   | 1 1/8                 | 1100                           | 6000                         |
| WINCHESTER                  | 209  | SR7625                    | 22.5   | CB.                | CB1118-12   | 1 1/8                 | 1145                           | 6500                         |
| WINCHESTER                  | 209  | SR7625                    | 24.0   | CB.                | CB1118-12   | 1 1/8                 | 1195                           | 7300                         |
| WINCHESTER                  | 209  | SR7625                    | 26.0   | CB.                | CB1118-12   | 1 1/8                 | 1265                           | 8200                         |
| WINCHESTER                  | 209  | SR7625                    | 22.0   | REM.               | RXP12       | 1 1/8                 | 1105                           | 6200                         |
| WINCHESTER                  | 209  | SR7625                    | 23.0   | REM.               | RXP12       | 1 1/8                 | 1145                           | 6600                         |
| WINCHESTER                  | 209  | SR7625                    | 24.5   | REM.               | RXP12       | 1 1/8                 | 1200                           | 7500                         |
| WINCHESTER                  | 209  | SR7625                    | 26.0   | REM.               | RXP12       | 1 1/8                 | 1255                           | 8300                         |
| WINCHESTER                  | 209  | SR7625                    | 21.0   | FED.               | 12S4        | 1 1/8                 | 1095                           | 6700                         |
| WINCHESTER                  | 209  | SR7625                    | 22.5   | FED.               | 12S4        | 1 1/8                 | 1145                           | 7500                         |
| WINCHESTER                  | 209  | SR7625                    | 24.0   | FED.               | 12S4        | 1 1/8                 | 1200                           | 8400                         |
| WINCHESTER                  | 209  | SR7625                    | 25.5   | FED.               | 12S4        | 1 1/8                 | 1260                           | 9200                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                 | NO.    | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--------------------------------|--------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b>    |        |                           |        |                    |             |                       |                                |                              |
| CCI                            | 209    | "HI-SKOR" 800-X           | 20.5   | WIN.               | WAA12       | 1 1/8                 | 1095                           | 5800                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 22.0   | WIN.               | WAA12       | 1 1/8                 | 1155                           | 6500                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 23.0   | WIN.               | WAA12       | 1 1/8                 | 1195                           | 7000                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 24.5   | WIN.               | WAA12       | 1 1/8                 | 1250                           | 7700                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 21.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1100                           | 4800                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 22.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1150                           | 5400                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 24.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1195                           | 5800                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 26.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1260                           | 6200                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 21.0   | CB.                | CB1118-12   | 1 1/8                 | 1095                           | 5000                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 22.5   | CB.                | CB1118-12   | 1 1/8                 | 1150                           | 5400                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 24.0   | CB.                | CB1118-12   | 1 1/8                 | 1200                           | 6100                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 25.5   | CB.                | CB1118-12   | 1 1/8                 | 1250                           | 6700                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 21.0   | REM.               | FIG8        | 1 1/8                 | 1095                           | 5200                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 22.0   | REM.               | FIG8        | 1 1/8                 | 1135                           | 5700                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 23.5   | REM.               | FIG8        | 1 1/8                 | 1195                           | 6300                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 25.5   | REM.               | FIG8        | 1 1/8                 | 1260                           | 6900                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 20.5   | FED.               | 12S3        | 1 1/8                 | 1090                           | 5800                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 22.0   | FED.               | 12S3        | 1 1/8                 | 1150                           | 6400                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 23.0   | FED.               | 12S3        | 1 1/8                 | 1190                           | 6800                         |
| CCI                            | 209    | "HI-SKOR" 800-X           | 24.5   | FED.               | 12S3        | 1 1/8                 | 1255                           | 7800                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 20.0   | WIN.               | WAA12       | 1 1/8                 | 1105                           | 6600                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 21.0   | WIN.               | WAA12       | 1 1/8                 | 1140                           | 7000                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 22.5   | WIN.               | WAA12       | 1 1/8                 | 1200                           | 7800                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 24.0   | WIN.               | WAA12       | 1 1/8                 | 1260                           | 8600                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 21.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1105                           | 5100                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 22.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1150                           | 5800                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 23.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1195                           | 6500                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 24.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1265                           | 7600                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 20.5   | CB.                | CB1118-2    | 1 1/8                 | 1095                           | 5600                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 22.0   | CB.                | CB1118-2    | 1 1/8                 | 1155                           | 6300                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 23.0   | CB.                | CB1118-2    | 1 1/8                 | 1195                           | 6800                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 24.5   | CB.                | CB118-2     | 1 1/8                 | 1250                           | 7500                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 20.5   | REM.               | FIG8        | 1 1/8                 | 1090                           | 5200                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 21.5   | REM.               | FIG8        | 1 1/8                 | 1135                           | 5700                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 23.0   | REM.               | FIG8        | 1 1/8                 | 1200                           | 6700                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 24.5   | REM.               | RIG8        | 1 1/8                 | 1260                           | 7700                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 19.5   | FED.               | 12S3        | 1 1/8                 | 1095                           | 6400                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 21.0   | FED.               | 12S3        | 1 1/8                 | 1150                           | 7100                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 22.5   | FED.               | 12S3        | 1 1/8                 | 1200                           | 7800                         |
| FEDERAL                        | 209A   | "HI-SKOR" 800-X           | 24.0   | FED.               | 12S3        | 1 1/8                 | 1255                           | 8500                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 20.0   | WIN.               | WAA12       | 1 1/8                 | 1100                           | 6600                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 21.0   | WIN.               | WAA12       | 1 1/8                 | 1145                           | 7200                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 22.0   | WIN.               | WAA12       | 1 1/8                 | 1190                           | 7800                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 24.0   | WIN.               | WAA12       | 1 1/8                 | 1265                           | 8800                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 20.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1095                           | 5400                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 21.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1145                           | 6000                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 22.5   | WTW.               | WINDJAMMER  | 1 1/8                 | 1190                           | 6700                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 24.0   | WTW.               | WINDJAMMER  | 1 1/8                 | 1260                           | 7700                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 20.0   | CB.                | CB1118-12   | 1 1/8                 | 1095                           | 5800                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 21.5   | CB.                | CB1118-12   | 1 1/8                 | 1150                           | 6500                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 23.0   | CB.                | CB1118-12   | 1 1/8                 | 1205                           | 7100                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 24.5   | CB.                | CB1118-12   | 1 1/8                 | 1260                           | 7800                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 20.0   | REM.               | FIG8        | 1 1/8                 | 1105                           | 6100                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 21.0   | REM.               | FIG8        | 1 1/8                 | 1150                           | 6600                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 22.5   | REM.               | FIG8        | 1 1/8                 | 1195                           | 7000                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 24.5   | REM.               | FIG8        | 1 1/8                 | 1255                           | 7700                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 20.0   | FED.               | 12S3        | 1 1/8                 | 1100                           | 6500                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 21.5   | FED.               | 12S3        | 1 1/8                 | 1155                           | 7100                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 22.5   | FED.               | 12S3        | 1 1/8                 | 1195                           | 7600                         |
| WINCHESTER                     | 209    | "HI-SKOR" 800-X           | 24.0   | FED.               | 12S3        | 1 1/8                 | 1250                           | 8400                         |
| <b>SHELL: FIOCCHI (PURPLE)</b> |        |                           |        |                    |             |                       |                                |                              |
| FIODCHI                        | 616    | "HI-SKOR" 700-X           | 17.0   | FIODCHI            | 12GW        | 1 1/8                 | 1145                           | 9100                         |
| FIODCHI                        | 616    | "HI-SKOR" 700-X           | 17.5   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1145                           | 8000                         |
| FEDERAL                        | 209A   | "HI-SKOR" 700-X           | 16.5   | FIODCHI            | 12GW        | 1 1/8                 | 1145                           | 9700                         |
| FEDERAL                        | 209A   | "HI-SKOR" 700-X           | 17.0   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1145                           | 8300                         |
| REMINGTON                      | 209STS | "HI-SKOR" 700-X           | 17.0   | FIODCHI            | 12GW        | 1 1/8                 | 1145                           | 8900                         |
| REMINGTON                      | 209STS | "HI-SKOR" 700-X           | 17.0   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1145                           | 7900                         |

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 20 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 7/8 OUNCE LOADS

| PRIMER<br>MFR.                                      | NO.    | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|--------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FIOCCHI (PURPLE)</b>                      |        |                           |        |                    |             |                       |                                |                              |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 17.0   | FIOCCHI            | 12GW        | 1 1/8                 | 1145                           | 8800                         |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 17.5   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1145                           | 8000                         |
| FIOCCHI   | 616    | "HI-SKOR" 700-X           | 18.0   | FIOCCHI            | 12GW        | 1 1/8                 | 1200                           | 9800                         |
| FIOCCHI   | 616    | "HI-SKOR" 700-X           | 18.5   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1200                           | 9000                         |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 17.5   | FIOCCHI            | 12GW        | 1 1/8                 | 1200                           | 10600                        |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 18.0   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1200                           | 9700                         |
| REMINGTON   | 209STS | "HI-SKOR" 700-X           | 18.0   | FIOCCHI            | 12GW        | 1 1/8                 | 1200                           | 9900                         |
| REMINGTON   | 209STS | "HI-SKOR" 700-X           | 18.0   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1200                           | 8800                         |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 18.0   | FIOCCHI            | 12GW        | 1 1/8                 | 1200                           | 10000                        |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 18.5   | CLAYBUSTER         | CB-1100-12  | 1 1/8                 | 1200                           | 8800                         |
| <b>SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING</b> |        |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA20       | 7/8                   | 1210                           | 11700                        |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 14.5   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 11800                        |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 14.0   | CB.                | CB1078-20   | 7/8                   | 1190                           | 11400                        |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 14.5   | REM.               | RXP 20      | 7/8                   | 1210                           | 11500                        |
| FEDERAL   | 209A   | "HI-SKOR" 700-X           | 14.0   | FED.               | 20S1        | 7/8                   | 1190                           | 11900                        |
| REMINGTON   | 209P   | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA20       | 7/8                   | 1210                           | 11200                        |
| REMINGTON   | 209P   | "HI-SKOR" 700-X           | 14.5   | WTW                | WINDJAMMER  | 7/8                   | 1205                           | 11400                        |
| REMINGTON   | 209P   | "HI-SKOR" 700-X           | 14.5   | CB.                | CB1078-20   | 7/8                   | 1205                           | 11300                        |
| REMINGTON   | 209P   | "HI-SKOR" 700-X           | 15.0   | REM.               | RXP 20      | 7/8                   | 1215                           | 11100                        |
| REMINGTON   | 209P   | "HI-SKOR" 700-X           | 14.5   | FED.               | 20S1        | 7/8                   | 1205                           | 11600                        |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA20       | 7/8                   | 1210                           | 11200                        |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 14.5   | WTW                | WINDJAMMER  | 7/8                   | 1205                           | 11200                        |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 14.0   | CB.                | CB1078-20   | 7/8                   | 1190                           | 11000                        |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 14.5   | REM.               | RXP 20      | 7/8                   | 1205                           | 11000                        |
| WINCHESTER  | 209    | "HI-SKOR" 700-X           | 14.5   | FED.               | 20S1        | 7/8                   | 1210                           | 11800                        |
| FEDERAL   | 209A   | PB                        | 17.5   | WIN.               | WAA20       | 7/8                   | 1200                           | 9400                         |
| FEDERAL   | 209A   | PB                        | 17.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 9500                         |
| FEDERAL   | 209A   | PB                        | 17.0   | CB.                | CB1078-20   | 7/8                   | 1195                           | 9800                         |
| FEDERAL   | 209A   | PB                        | 17.5   | REM.               | RXP 20      | 7/8                   | 1205                           | 9300                         |
| FEDERAL   | 209A   | PB                        | 17.5   | FED.               | 20S1        | 7/8                   | 1210                           | 10000                        |
| REMINGTON   | 209P   | PB                        | 17.5   | WIN.               | WAA20       | 7/8                   | 1200                           | 9300                         |
| REMINGTON   | 209P   | PB                        | 18.0   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 9500                         |
| REMINGTON   | 209P   | PB                        | 17.5   | CB.                | CB1078-20   | 7/8                   | 1200                           | 9300                         |
| REMINGTON   | 209P   | PB                        | 17.5   | REM.               | RXP 20      | 7/8                   | 1200                           | 8900                         |
| REMINGTON   | 209P   | PB                        | 17.5   | FED.               | 20S1        | 7/8                   | 1200                           | 9400                         |
| WINCHESTER  | 209    | PB                        | 17.5   | WIN.               | WAA20       | 7/8                   | 1200                           | 9400                         |
| WINCHESTER  | 209    | PB                        | 17.5   | WTW                | WINDJAMMER  | 7/8                   | 1195                           | 9500                         |
| WINCHESTER  | 209    | PB                        | 17.5   | CB.                | CB1078-20   | 7/8                   | 1200                           | 9500                         |
| WINCHESTER  | 209    | PB                        | 18.0   | REM.               | RXP 20      | 7/8                   | 1195                           | 9000                         |
| WINCHESTER  | 209    | PB                        | 17.5   | FED.               | 20S1        | 7/8                   | 1210                           | 10100                        |
| FEDERAL   | 209A   | SR7625                    | 18.5   | WIN.               | WAA20       | 7/8                   | 1210                           | 9200                         |
| FEDERAL   | 209A   | SR7625                    | 18.5   | WTW                | WINDJAMMER  | 7/8                   | 1190                           | 8600                         |
| FEDERAL   | 209A   | SR7625                    | 18.5   | CB.                | CB1078-20   | 7/8                   | 1210                           | 9500                         |
| FEDERAL   | 209A   | SR7625                    | 19.0   | REM.               | RXP 20      | 7/8                   | 1210                           | 8700                         |
| FEDERAL   | 209A   | SR7625                    | 18.5   | FED.               | 20S1        | 7/8                   | 1195                           | 8700                         |
| REMINGTON   | 209P   | SR7625                    | 18.5   | WIN.               | WAA20       | 7/8                   | 1195                           | 8500                         |
| REMINGTON   | 209P   | SR7625                    | 19.0   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 8300                         |
| REMINGTON   | 209P   | SR7625                    | 18.5   | CB.                | CB1078-20   | 7/8                   | 1195                           | 8600                         |
| REMINGTON   | 209P   | SR7625                    | 19.5   | REM.               | RXP 20      | 7/8                   | 1205                           | 8300                         |
| REMINGTON   | 209P   | SR7625                    | 19.0   | FED.               | 20S1        | 7/8                   | 1200                           | 8300                         |
| WINCHESTER  | 209    | SR7625                    | 18.5   | WIN.               | WAA20       | 7/8                   | 1195                           | 8400                         |
| WINCHESTER  | 209    | SR7625                    | 19.0   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 9100                         |
| WINCHESTER  | 209    | SR7625                    | 18.5   | CB.                | CB1078-20   | 7/8                   | 1210                           | 9000                         |
| WINCHESTER  | 209    | SR7625                    | 18.5   | REM.               | RXP 20      | 7/8                   | 1195                           | 8500                         |
| WINCHESTER  | 209    | SR7625                    | 18.5   | FED.               | 20S1        | 7/8                   | 1195                           | 8600                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 20 GAUGE 2 3/4 INCH 7/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 17.5   | WIN.               | WAA20       | 7/8                   | 1205                           | 8000                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 17.5   | WTW                | WINDJAMMER  | 7/8                   | 1205                           | 8000                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 17.0   | CB.                | CB1078-20   | 7/8                   | 1190                           | 7800                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 17.5   | REM.               | RXP 20      | 7/8                   | 1200                           | 7600                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 17.0   | FED.               | 20S1        | 7/8                   | 1190                           | 8200                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 17.5   | WIN.               | WAA20       | 7/8                   | 1200                           | 7600                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 17.0   | WTW                | WINDJAMMER  | 7/8                   | 1195                           | 7300                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 17.5   | CB.                | CB1078-20   | 7/8                   | 1205                           | 7900                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 18.0   | REM.               | RXP 20      | 7/8                   | 1210                           | 7600                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 17.5   | FED.               | 20S1        | 7/8                   | 1195                           | 7900                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 17.5   | WIN.               | WAA20       | 7/8                   | 1210                           | 8100                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 17.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 8000                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 17.0   | CB.                | CB1078-20   | 7/8                   | 1195                           | 8100                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 17.5   | REM.               | RXP 20      | 7/8                   | 1210                           | 8000                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 17.5   | FED.               | 20S1        | 7/8                   | 1200                           | 8300                         |
| FEDERAL   | 209A | SR4756                    | 20.5   | WIN.               | WAA20F1     | 7/8                   | 1205                           | 8500                         |
| FEDERAL   | 209A | SR4756                    | 20.5   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 8700                         |
| FEDERAL   | 209A | SR4756                    | 21.0   | REM.               | RXP 20      | 7/8                   | 1200                           | 7800                         |
| FEDERAL   | 209A | SR4756                    | 20.5   | FED.               | 20S1        | 7/8                   | 1210                           | 8700                         |
| REMINGTON   | 209P | SR4756                    | 21.5   | WIN.               | WAA20F1     | 7/8                   | 1200                           | 7900                         |
| REMINGTON   | 209P | SR4756                    | 21.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 7900                         |
| REMINGTON   | 209P | SR4756                    | 21.5   | REM.               | RXP 20      | 7/8                   | 1180                           | 7000                         |
| REMINGTON   | 209P | SR4756                    | 21.5   | FED.               | 20S1        | 7/8                   | 1205                           | 7600                         |
| WINCHESTER  | 209  | SR4756                    | 20.5   | WIN.               | WAA20F1     | 7/8                   | 1195                           | 8200                         |
| WINCHESTER  | 209  | SR4756                    | 20.5   | WTW                | WINDJAMMER  | 7/8                   | 1195                           | 8300                         |
| WINCHESTER  | 209  | SR4756                    | 21.0   | REM.               | RXP 20      | 7/8                   | 1205                           | 7900                         |
| WINCHESTER  | 209  | SR4756                    | 20.5   | FED.               | 20S1        | 7/8                   | 1205                           | 8500                         |
| <b>SHELL: REMINGTON PREMIER (RTL)</b>               |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | PB                        | 15.5   | WTW                | WINDJAMMER  | 7/8                   | 1185                           | 11900                        |
| FEDERAL   | 209A | PB                        | 16.0   | REM.               | RXP 20      | 7/8                   | 1195                           | 11600                        |
| FEDERAL   | 209A | PB                        | 15.0   | REM.               | 20S1        | 7/8                   | 1160                           | 11900                        |
| FEDERAL   | 209A | PB                        | 16.0   | WIN.               | WAA20F1     | 7/8                   | 1210                           | 11900                        |
| REMINGTON   | 209P | PB                        | 16.0   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 11700                        |
| REMINGTON   | 209P | PB                        | 16.0   | CB.                | CB1078-20   | 7/8                   | 1195                           | 11800                        |
| REMINGTON   | 209P | PB                        | 16.0   | REM.               | RXP 20      | 7/8                   | 1195                           | 11000                        |
| REMINGTON   | 209P | PB                        | 15.5   | FED.               | 20S1        | 7/8                   | 1185                           | 11800                        |
| REMINGTON   | 209P | PB                        | 16.0   | WIN.               | WAA20F1     | 7/8                   | 1195                           | 11400                        |
| WINCHESTER  | 209  | PB                        | 16.0   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 11700                        |
| WINCHESTER  | 209  | PB                        | 16.0   | CB.                | CB1078-20   | 7/8                   | 1195                           | 11700                        |
| WINCHESTER  | 209  | PB                        | 16.0   | REM.               | RXP 20      | 7/8                   | 1190                           | 11100                        |
| WINCHESTER  | 209  | PB                        | 16.0   | WIN.               | WAA20F1     | 7/8                   | 1190                           | 11100                        |
| FEDERAL   | 209A | SR7625                    | 16.5   | WIN.               | WAA20       | 7/8                   | 1205                           | 12000                        |
| FEDERAL   | 209A | SR7625                    | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 11400                        |
| FEDERAL   | 209A | SR7625                    | 16.5   | CB.                | CB1078-20   | 7/8                   | 1195                           | 11400                        |
| FEDERAL   | 209A | SR7625                    | 17.0   | REM.               | RXP 20      | 7/8                   | 1210                           | 11000                        |
| FEDERAL   | 209A | SR7625                    | 16.5   | FED.               | 20S1        | 7/8                   | 1190                           | 12000                        |
| REMINGTON   | 209P | SR7625                    | 17.0   | WIN.               | WAA20       | 7/8                   | 1205                           | 11000                        |
| REMINGTON   | 209P | SR7625                    | 17.0   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 11000                        |
| REMINGTON   | 209P | SR7625                    | 17.0   | CB.                | CB1078-20   | 7/8                   | 1205                           | 11000                        |
| REMINGTON   | 209P | SR7625                    | 17.0   | REM.               | RXP 20      | 7/8                   | 1190                           | 10100                        |
| REMINGTON   | 209P | SR7625                    | 17.0   | FED.               | 20S1        | 7/8                   | 1195                           | 11100                        |
| WINCHESTER  | 209  | SR7625                    | 17.0   | WIN.               | WAA20       | 7/8                   | 1200                           | 10900                        |
| WINCHESTER  | 209  | SR7625                    | 17.0   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 10800                        |
| WINCHESTER  | 209  | SR7625                    | 17.0   | CB.                | CB1078-20   | 7/8                   | 1205                           | 11100                        |
| WINCHESTER  | 209  | SR7625                    | 17.0   | REM.               | RXP 20      | 7/8                   | 1195                           | 10300                        |
| WINCHESTER  | 209  | SR7625                    | 17.0   | FED.               | 20S1        | 7/8                   | 1210                           | 11800                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 16.0   | WIN.               | WAA20       | 7/8                   | 1195                           | 9300                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 16.0   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 9500                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 16.0   | CB.                | CB1078-20   | 7/8                   | 1215                           | 9900                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 16.0   | REM.               | RXP 20      | 7/8                   | 1190                           | 9100                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 16.0   | FED.               | 20S1        | 7/8                   | 1210                           | 10000                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 20 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 7/8 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                        | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---------------------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON PREMIER (RTL)</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | WIN.               | WAA20       | 7/8                   | 1205                           | 9100                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 9500                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.0   | CB.                | CB1078-20   | 7/8                   | 1205                           | 9500                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | REM.               | RXP 20      | 7/8                   | 1200                           | 9100                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.0   | FED.               | 20S1        | 7/8                   | 1195                           | 9600                         |
| WINCHESTER                            | 209  | "HI-SKOR" 800-X           | 16.0   | WIN.               | WAA20       | 7/8                   | 1190                           | 9300                         |
| WINCHESTER                            | 209  | "HI-SKOR" 800-X           | 16.0   | WTW                | WINDJAMMER  | 7/8                   | 1190                           | 9500                         |
| WINCHESTER                            | 209  | "HI-SKOR" 800-X           | 16.0   | CB.                | CB1078-20   | 7/8                   | 1205                           | 9600                         |
| WINCHESTER                            | 209  | "HI-SKOR" 800-X           | 16.5   | REM.               | RXP 20      | 7/8                   | 1210                           | 9500                         |
| WINCHESTER                            | 209  | "HI-SKOR" 800-X           | 16.0   | FED.               | 20S1        | 7/8                   | 1200                           | 9600                         |
| FEDERAL                               | 209A | SR4756                    | 17.5   | WIN.               | WAA20F1     | 7/8                   | 1190                           | 10200                        |
| FEDERAL                               | 209A | SR4756                    | 17.5   | REM                | SP20        | 7/8                   | 1195                           | 10600                        |
| REMINGTON                             | 209P | SR4756                    | 18.5   | WIN.               | WAA20F1     | 7/8                   | 1195                           | 9500                         |
| REMINGTON                             | 209P | SR4756                    | 18.5   | REM                | SP20        | 7/8                   | 1205                           | 10200                        |
| WINCHESTER                            | 209  | SR4756                    | 19.0   | WIN.               | WAA20F1     | 7/8                   | 1205                           | 9600                         |
| WINCHESTER                            | 209  | SR4756                    | 18.5   | REM                | SP20        | 7/8                   | 1205                           | 10300                        |
| <b>SHELL: WINCHESTER AA</b>           |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON                             | 209P | "HI-SKOR" 700-X           | 13.0   | REM.               | RXP 20      | 7/8                   | 1160                           | 11800                        |
| FEDERAL                               | 209A | PB                        | 15.5   | WIN.               | WAA20       | 7/8                   | 1180                           | 11700                        |
| FEDERAL                               | 209A | PB                        | 15.5   | WTW                | WINDJAMMER  | 7/8                   | 1185                           | 11900                        |
| FEDERAL                               | 209A | PB                        | 16.0   | REM.               | RXP 20      | 7/8                   | 1205                           | 11900                        |
| FEDERAL                               | 209A | PB                        | 15.0   | FED.               | 20S1        | 7/8                   | 1160                           | 11900                        |
| REMINGTON                             | 209P | PB                        | 16.0   | WIN.               | WAA20       | 7/8                   | 1200                           | 11600                        |
| REMINGTON                             | 209P | PB                        | 16.0   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 11300                        |
| REMINGTON                             | 209P | PB                        | 16.0   | CB.                | CB1078-20   | 7/8                   | 1200                           | 11900                        |
| REMINGTON                             | 209P | PB                        | 16.0   | REM.               | RXP 20      | 7/8                   | 1195                           | 10900                        |
| REMINGTON                             | 209P | PB                        | 15.5   | FED.               | 20S1        | 7/8                   | 1175                           | 11600                        |
| WINCHESTER                            | 209  | PB                        | 16.0   | WIN.               | WAA20       | 7/8                   | 1195                           | 11700                        |
| WINCHESTER                            | 209  | PB                        | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 11800                        |
| WINCHESTER                            | 209  | PB                        | 16.0   | REM.               | RXP 20      | 7/8                   | 1195                           | 11400                        |
| WINCHESTER                            | 209  | PB                        | 15.5   | FED.               | 20S1        | 7/8                   | 1175                           | 11800                        |
| FEDERAL                               | 209A | SR7625                    | 16.5   | WIN.               | WAA20       | 7/8                   | 1205                           | 11700                        |
| FEDERAL                               | 209A | SR7625                    | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 11900                        |
| FEDERAL                               | 209A | SR7625                    | 16.5   | CB.                | CB1078-20   | 7/8                   | 1195                           | 11700                        |
| FEDERAL                               | 209A | SR7625                    | 17.0   | REM.               | RXP 20      | 7/8                   | 1200                           | 10800                        |
| FEDERAL                               | 209A | SR7625                    | 16.5   | FED.               | 20S1        | 7/8                   | 1190                           | 11700                        |
| REMINGTON                             | 209P | SR7625                    | 17.0   | WIN.               | WAA20       | 7/8                   | 1200                           | 10900                        |
| REMINGTON                             | 209P | SR7625                    | 17.5   | WTW                | WINDJAMMER  | 7/8                   | 1210                           | 10300                        |
| REMINGTON                             | 209P | SR7625                    | 17.0   | CB.                | CB1078-20   | 7/8                   | 1210                           | 11300                        |
| REMINGTON                             | 209P | SR7625                    | 17.0   | REM.               | RXP 20      | 7/8                   | 1190                           | 10100                        |
| REMINGTON                             | 209P | SR7625                    | 16.5   | FED.               | 20S1        | 7/8                   | 1185                           | 11100                        |
| WINCHESTER                            | 209  | SR7625                    | 17.0   | WIN.               | WAA20       | 7/8                   | 1205                           | 10600                        |
| WINCHESTER                            | 209  | SR7625                    | 17.0   | WTW                | WINDJAMMER  | 7/8                   | 1205                           | 10900                        |
| WINCHESTER                            | 209  | SR7625                    | 16.5   | CB.                | CB1078-20   | 7/8                   | 1190                           | 10800                        |
| WINCHESTER                            | 209  | SR7625                    | 17.0   | REM.               | RXP 20      | 7/8                   | 1210                           | 10600                        |
| WINCHESTER                            | 209  | SR7625                    | 16.5   | FED.               | 20S1        | 7/8                   | 1195                           | 11700                        |
| FEDERAL                               | 209A | "HI-SKOR" 800-X           | 16.5   | WIN.               | WAA20       | 7/8                   | 1205                           | 9400                         |
| FEDERAL                               | 209A | "HI-SKOR" 800-X           | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1215                           | 10100                        |
| FEDERAL                               | 209A | "HI-SKOR" 800-X           | 16.0   | CB.                | CB1078-20   | 7/8                   | 1190                           | 9400                         |
| FEDERAL                               | 209A | "HI-SKOR" 800-X           | 16.5   | REM.               | RXP 20      | 7/8                   | 1200                           | 8800                         |
| FEDERAL                               | 209A | "HI-SKOR" 800-X           | 16.0   | FED.               | 20S1        | 7/8                   | 1190                           | 9700                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | WIN.               | WAA20       | 7/8                   | 1210                           | 9300                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1190                           | 8400                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | CB.                | CB1078-20   | 7/8                   | 1195                           | 8400                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | REM.               | RXP 20      | 7/8                   | 1190                           | 7500                         |
| REMINGTON                             | 209P | "HI-SKOR" 800-X           | 16.5   | FED.               | 20S1        | 7/8                   | 1190                           | 8200                         |

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Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 28 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 3/4 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.                               | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER AA</b>                  |      |                           |        |                    |             |                       |                                |                              |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.5   | WIN.               | WAA20       | 7/8                   | 1205                           | 9900                         |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.5   | WTW                | WINDJAMMER  | 7/8                   | 1200                           | 10300                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.0   | CB.                | CB1078-20   | 7/8                   | 1190                           | 9600                         |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.5   | REM.               | RXP 20      | 7/8                   | 1210                           | 9400                         |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.0   | FED.               | 20S1        | 7/8                   | 1190                           | 9600                         |
| FEDERAL                                      | 209A | SR4756                    | 18.0   | WIN.               | WAA20F1     | 7/8                   | 1190                           | 10000                        |
| FEDERAL                                      | 209A | SR4756                    | 18.5   | WTW                | WINDJAMMER  | 7/8                   | 1185                           | 10000                        |
| FEDERAL                                      | 209A | SR4756                    | 18.0   | CB.                | CB1078-20   | 7/8                   | 1195                           | 10300                        |
| FEDERAL                                      | 209A | SR4756                    | 18.5   | REM.               | SP20        | 7/8                   | 1215                           | 10700                        |
| FEDERAL                                      | 209A | SR4756                    | 18.0   | FED.               | 20S1        | 7/8                   | 1190                           | 10600                        |
| REMINGTON                                    | 209P | SR4756                    | 18.5   | WIN.               | WAA20F1     | 7/8                   | 1200                           | 9800                         |
| REMINGTON                                    | 209P | SR4756                    | 18.5   | CB.                | CB1078-20   | 7/8                   | 1200                           | 10000                        |
| REMINGTON                                    | 209P | SR4756                    | 19.0   | REM.               | SP20        | 7/8                   | 1210                           | 9700                         |
| REMINGTON                                    | 209P | SR4756                    | 18.5   | FED.               | 20S1        | 7/8                   | 1190                           | 10100                        |
| WINCHESTER                                   | 209  | SR4756                    | 18.5   | WIN.               | WAA20F1     | 7/8                   | 1200                           | 9900                         |
| WINCHESTER                                   | 209  | SR4756                    | 18.5   | WTW                | WINDJAMMER  | 7/8                   | 1195                           | 9900                         |
| WINCHESTER                                   | 209  | SR4756                    | 18.0   | CB.                | CB1078-20   | 7/8                   | 1180                           | 9700                         |
| WINCHESTER                                   | 209  | SR4756                    | 18.5   | REM.               | SP20        | 7/8                   | 1200                           | 9900                         |
| WINCHESTER                                   | 209  | SR4756                    | 18.0   | FED.               | 20S1        | 7/8                   | 1205                           | 10700                        |
| <b>SHELL: FEDERAL PLASTIC TARGET/HUNTING</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL                                      | 209A | PB                        | 13.0   | WIN.               | WAA28       | 3/4                   | 1165                           | 12400                        |
| FEDERAL                                      | 209A | PB                        | 13.0   | CB.                | CB-1034-28  | 3/4                   | 1165                           | 12100                        |
| FEDERAL                                      | 209A | PB                        | 13.0   | REM.               | PT28        | 3/4                   | 1160                           | 12300                        |
| REMINGTON                                    | 209P | PB                        | 14.5   | WIN.               | WAA28       | 3/4                   | 1205                           | 11400                        |
| REMINGTON                                    | 209P | PB                        | 14.5   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 11500                        |
| REMINGTON                                    | 209P | PB                        | 14.5   | REM.               | PT28        | 3/4                   | 1200                           | 11700                        |
| REMINGTON                                    | 209P | PB                        | 14.0   | FED.               | 28S1        | 3/4                   | 1190                           | 12200                        |
| WINCHESTER                                   | 209  | PB                        | 14.5   | WIN.               | WAA28       | 3/4                   | 1215                           | 11900                        |
| WINCHESTER                                   | 209  | PB                        | 14.5   | PATCTL.            | PC-28       | 3/4                   | 1210                           | 12000                        |
| WINCHESTER                                   | 209  | PB                        | 14.5   | REM.               | PT28        | 3/4                   | 1205                           | 12100                        |
| WINCHESTER                                   | 209  | PB                        | 14.0   | FED.               | 28S1        | 3/4                   | 1185                           | 12500                        |
| FEDERAL                                      | 209A | SR7625                    | 14.5   | WIN.               | WAA28       | 3/4                   | 1215                           | 12300                        |
| FEDERAL                                      | 209A | SR7625                    | 14.0   | PATCTL.            | PC-28       | 3/4                   | 1195                           | 11900                        |
| FEDERAL                                      | 209A | SR7625                    | 14.0   | CB.                | CB-1034-28  | 3/4                   | 1195                           | 12000                        |
| FEDERAL                                      | 209A | SR7625                    | 15.5   | REM.               | PT28        | 3/4                   | 1195                           | 11800                        |
| FEDERAL                                      | 209A | SR7625                    | 14.0   | FED.               | 28S1        | 3/4                   | 1185                           | 12000                        |
| REMINGTON                                    | 209P | SR7625                    | 14.5   | WIN.               | WAA28       | 3/4                   | 1185                           | 10500                        |
| REMINGTON                                    | 209P | SR7625                    | 15.0   | PATCTL.            | PC-28       | 3/4                   | 1205                           | 10100                        |
| REMINGTON                                    | 209P | SR7625                    | 15.0   | REM.               | PT28        | 3/4                   | 1190                           | 10200                        |
| REMINGTON                                    | 209P | SR7625                    | 14.5   | FED.               | 28S1        | 3/4                   | 1190                           | 10800                        |
| WINCHESTER                                   | 209  | SR7625                    | 14.5   | WIN.               | WAA28       | 3/4                   | 1185                           | 10800                        |
| WINCHESTER                                   | 209  | SR7625                    | 15.0   | PATCTL.            | PC-28       | 3/4                   | 1205                           | 10900                        |
| WINCHESTER                                   | 209  | SR7625                    | 15.0   | REM.               | PT28        | 3/4                   | 1200                           | 11100                        |
| WINCHESTER                                   | 209  | SR7625                    | 15.0   | FED.               | 28S1        | 3/4                   | 1205                           | 11200                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 13.5   | WIN.               | WAA28       | 3/4                   | 1195                           | 10100                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 13.5   | PATCTL.            | PC-28       | 3/4                   | 1215                           | 10600                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 13.5   | CB.                | CB1034-28   | 3/4                   | 1200                           | 10000                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 13.5   | REM.               | PT28        | 3/4                   | 1205                           | 10700                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 13.5   | FED.               | 28S1        | 3/4                   | 1205                           | 11000                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 14.5   | WIN.               | WAA28       | 3/4                   | 1210                           | 9500                         |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 14.0   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 9600                         |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 14.0   | CB.                | CB1034-28   | 3/4                   | 1205                           | 9800                         |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 14.0   | REM.               | PT28        | 3/4                   | 1195                           | 9900                         |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 14.0   | FED.               | 28S1        | 3/4                   | 1210                           | 10400                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 14.0   | WIN.               | WAA28       | 3/4                   | 1210                           | 10000                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 13.5   | PATCTL.            | PC-28       | 3/4                   | 1190                           | 9900                         |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 13.5   | CB.                | CB1034-28   | 3/4                   | 1190                           | 9800                         |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 13.5   | REM.               | PT28        | 3/4                   | 1190                           | 10100                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 13.5   | FED.               | 28S1        | 3/4                   | 1200                           | 10500                        |
| FEDERAL                                      | 209A | SR4756                    | 15.5   | PATCTL.            | PC-28       | 3/4                   | 1210                           | 11400                        |
| FEDERAL                                      | 209A | SR4756                    | 15.5   | REM.               | PT28        | 3/4                   | 1200                           | 11400                        |
| FEDERAL                                      | 209A | SR4756                    | 15.5   | FED.               | 28S1        | 3/4                   | 1205                           | 11900                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## 28 GAUGE 2<sup>3</sup>/<sub>4</sub> INCH 3/4 OUNCE LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL PLASTIC TARGET/HUNTING</b>                           |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON  | 209P | SR4756                    | 16.0   | PATCTL.            | PC-28       | 3/4                   | 1185                           | 9600                         |
| REMINGTON  | 209P | SR4756                    | 17.0   | REM.               | PT28        | 3/4                   | 1170                           | 10300                        |
| REMINGTON  | 209P | SR4756                    | 16.5   | FED.               | 28S1        | 3/4                   | 1195                           | 9800                         |
| WINCHESTER   | 209  | SR4756                    | 16.0   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 10300                        |
| WINCHESTER   | 209  | SR4756                    | 16.0   | REM.               | PT28        | 3/4                   | 1190                           | 10500                        |
| WINCHESTER   | 209  | SR4756                    | 16.0   | FED.               | 28S1        | 3/4                   | 1195                           | 10600                        |
| <b>SHELL: REMINGTON PREMIER (RTL)</b>                                  |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON  | 209P | PB                        | 13.5   | WIN.               | WAA28       | 3/4                   | 1205                           | 12300                        |
| REMINGTON  | 209P | PB                        | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1185                           | 12100                        |
| REMINGTON  | 209P | PB                        | 13.0   | REM.               | PT28        | 3/4                   | 1175                           | 12500                        |
| REMINGTON  | 209P | SR7625                    | 14.0   | WIN.               | WAA28       | 3/4                   | 1205                           | 11800                        |
| REMINGTON  | 209P | SR7625                    | 14.0   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 11700                        |
| REMINGTON  | 209P | SR7625                    | 13.5   | REM.               | PT28        | 3/4                   | 1190                           | 12400                        |
| REMINGTON  | 209P | SR7625                    | 13.5   | FED.               | 28S1        | 3/4                   | 1185                           | 12400                        |
| WINCHESTER   | 209  | SR7625                    | 14.0   | WIN.               | WAA28       | 3/4                   | 1210                           | 12200                        |
| WINCHESTER   | 209  | SR7625                    | 14.0   | PATCTL.            | PC-28       | 3/4                   | 1210                           | 12200                        |
| WINCHESTER   | 209  | SR7625                    | 14.0   | REM.               | PT28        | 3/4                   | 1200                           | 12500                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 13.0   | WIN.               | WAA28       | 3/4                   | 1195                           | 11000                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1210                           | 11400                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 13.0   | CB.                | CB1034-28   | 3/4                   | 1200                           | 10800                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 13.0   | REM.               | PT28        | 3/4                   | 1205                           | 11400                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 13.0   | FED.               | 28S1        | 3/4                   | 1205                           | 11700                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.5   | WIN.               | WAA28       | 3/4                   | 1205                           | 10300                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1190                           | 10300                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.5   | CB.                | CB1034-28   | 3/4                   | 1205                           | 10300                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.5   | REM.               | PT28        | 3/4                   | 1205                           | 10700                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.5   | FED.               | 28S1        | 3/4                   | 1215                           | 11600                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.0   | WIN.               | WAA28       | 3/4                   | 1185                           | 10400                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1185                           | 10300                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.5   | CB.                | CB1034-28   | 3/4                   | 1215                           | 10800                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.5   | REM.               | PT28        | 3/4                   | 1210                           | 11100                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.0   | FED.               | 28S1        | 3/4                   | 1195                           | 11300                        |
| FEDERAL  | 209A | SR4756                    | 14.5   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 12200                        |
| FEDERAL  | 209A | SR4756                    | 14.0   | REM.               | PT28        | 3/4                   | 1185                           | 12500                        |
| FEDERAL  | 209A | SR4756                    | 14.0   | FED.               | 28S1        | 3/4                   | 1175                           | 12300                        |
| REMINGTON  | 209P | SR4756                    | 15.0   | PATCTL.            | PC-28       | 3/4                   | 1165                           | 9900                         |
| REMINGTON  | 209P | SR4756                    | 14.0   | FED.               | 28S1        | 3/4                   | 1140                           | 10300                        |
| WINCHESTER   | 209  | SR4756                    | 15.0   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 11200                        |
| WINCHESTER   | 209  | SR4756                    | 14.0   | REM.               | PT28        | 3/4                   | 1155                           | 11000                        |
| WINCHESTER   | 209  | SR4756                    | 14.0   | FED.               | 28S1        | 3/4                   | 1160                           | 11500                        |
| <b>SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" &amp; "SUPER-X"</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON  | 209P | SR7625                    | 14.0   | WIN.               | WAA28       | 3/4                   | 1205                           | 12300                        |
| REMINGTON  | 209P | SR7625                    | 13.5   | PATCTL.            | PC-28       | 3/4                   | 1170                           | 12000                        |
| REMINGTON  | 209P | SR7625                    | 14.0   | CB.                | CB1034-28   | 3/4                   | 1190                           | 12300                        |
| REMINGTON  | 209P | SR7625                    | 13.5   | FED.               | 28S1        | 3/4                   | 1170                           | 12400                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 12.5   | WIN.               | WAA28       | 3/4                   | 1185                           | 11600                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1210                           | 12300                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 12.5   | CB.                | CB1034-28   | 3/4                   | 1185                           | 11700                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 12.0   | FED.               | 28S1        | 3/4                   | 1150                           | 12000                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 14.0   | WIN.               | WAA28       | 3/4                   | 1200                           | 9700                         |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1200                           | 11400                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.5   | CB.                | CB1034-28   | 3/4                   | 1200                           | 10200                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 13.5   | FED.               | 28S1        | 3/4                   | 1205                           | 11500                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.0   | WIN.               | WAA28       | 3/4                   | 1195                           | 11400                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.0   | PATCTL.            | PC-28       | 3/4                   | 1205                           | 12000                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 13.0   | CB.                | CB1034-28   | 3/4                   | 1190                           | 11200                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 12.5   | FED.               | 28S1        | 3/4                   | 1175                           | 12200                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 28 GAUGE 2 3/4 INCH 3/4 OUNCE LOADS (Cont'd)

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" &amp; "SUPER-X"</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON  | 209P | SR4756                    | 14.0   | WIN.               | WAA28       | 3/4                   | 1150                           | 11500                        |
| REMINGTON  | 209P | SR4756                    | 14.5   | PATCTL.            | PC-28       | 3/4                   | 1185                           | 12200                        |
| REMINGTON  | 209P | SR4756                    | 14.0   | CB.                | CB1034-28   | 3/4                   | 1165                           | 12000                        |
| WINCHESTER   | 209  | SR4756                    | 14.0   | WIN.               | WAA28       | 3/4                   | 1150                           | 11400                        |
| WINCHESTER   | 209  | SR4756                    | 14.5   | PATCTL.            | PC-28       | 3/4                   | 1190                           | 12000                        |
| WINCHESTER   | 209  | SR4756                    | 14.0   | CB.                | CB1034-28   | 3/4                   | 1170                           | 12200                        |
| WINCHESTER   | 209  | SR4756                    | 14.0   | FED.               | 28S1        | 3/4                   | 1155                           | 12500                        |

## .410 BORE 2 1/2 INCH 1/2 OUNCE LOADS

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 1/2" PLASTIC TARGET/HUNTING</b>                    |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A | IMR4227                   | 17.0   | PATCTL.            | PC-410      | 1/2                   | 1170                           | 12500                        |
| FEDERAL  | 209A | IMR4227                   | 17.0   | REM.               | SP410       | 1/2                   | 1155                           | 12000                        |
| FEDERAL  | 209A | IMR4227                   | 17.5   | CB.                | CB1050-41   | 1/2                   | 1190                           | 12200                        |
| FEDERAL  | 209A | IMR4227                   | 17.5   | FED.               | 410SC       | 1/2                   | 1195                           | 12200                        |
| REMINGTON  | 209P | IMR4227                   | 18.5   | REM.               | SP410       | 1/2                   | 1180                           | 10700                        |
| WINCHESTER   | 209  | IMR4227                   | 18.5   | PATCTL.            | PC-410      | 1/2                   | 1215                           | 11800                        |
| WINCHESTER   | 209  | IMR4227                   | 18.0   | REM.               | SP410       | 1/2                   | 1200                           | 12000                        |
| WINCHESTER   | 209  | IMR4227                   | 18.0   | CB.                | CB1050-41   | 1/2                   | 1165                           | 11300                        |
| <b>SHELL: REMINGTON 2 1/2" EXPRESS</b>                                 |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A | IMR4227                   | 17.5   | PATCTL.            | PC-410      | 1/2                   | 1195                           | 12500                        |
| FEDERAL  | 209A | IMR4227                   | 18.0   | CB.                | CB1050-41   | 1/2                   | 1210                           | 12500                        |
| FEDERAL  | 209A | IMR4227                   | 17.5   | FED.               | 410SC       | 1/2                   | 1195                           | 12400                        |
| WINCHESTER   | 209  | IMR4227                   | 17.5   | PATCTL.            | PC-410      | 1/2                   | 1160                           | 11200                        |
| WINCHESTER   | 209  | IMR4227                   | 18.0   | CB.                | CB1050-41   | 1/2                   | 1160                           | 11000                        |
| <b>SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" &amp; "SUPER-X"</b> |      |                           |        |                    |             |                       |                                |                              |
| WINCHESTER   | 209  | IMR4227                   | 16.5   | PATCTL.            | PC-410      | 1/2                   | 1140                           | 12300                        |

## SHOTSHELL FIELD 10 GAUGE 3 1/2 INCH RELOADING DATA

| PRIMER<br>MFR.   | NO.     | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION               | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|---------|---------------------------|--------|--------------------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 3 1/2" MAGNUM PAPER BASEWAD</b>            |         |                           |        |                    |                           |                       |                                |                              |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 29.0   | REM                | SP10+(2)20GA 0.125" CARDS | 2 1/4                 | 1085                           | 10700                        |
| FEDERAL  | 209A    | SR4756                    | 33.0   | REM                | SP10                      | 2 1/4                 | 1065                           | 10600                        |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 32.0   | REM                | SP10+(4)20GA 0.125" CARDS | 2                     | 1180                           | 10900                        |
| FEDERAL  | 209A    | SR4756                    | 37.0   | REM                | SP10+(2)20GA 0.125" CARDS | 2                     | 1175                           | 10800                        |
| REMINGTON  | 209PSTS | SR4756                    | 41.5   | REM                | SP10+(2)20GA 0.125" CARDS | 2                     | 1230                           | 10800                        |
| <b>SHELL: REMINGTON 3 1/2" NITRO MAGNUM PLASTIC BASEWAD</b>  |         |                           |        |                    |                           |                       |                                |                              |
| REMINGTON  | 209PSTS | "HI-SKOR" 800-X           | 28.0   | REM                | SP10+(3)20GA 0.125" CARDS | 2 1/4                 | 1055                           | 10800                        |
| REMINGTON  | 209PSTS | SR4756                    | 34.5   | REM                | SP10                      | 2 1/4                 | 1095                           | 10900                        |
| REMINGTON  | 209PSTS | SR7625                    | 32.5   | REM                | SP10+(3)20GA 0.125" CARDS | 2                     | 1115                           | 10800                        |
| REMINGTON  | 209PSTS | "HI-SKOR" 800-X           | 30.0   | REM                | SP10+(4)20GA 0.125" CARDS | 2                     | 1145                           | 10900                        |
| REMINGTON  | 209PSTS | SR4756                    | 39.5   | REM                | SP10+(2)20GA 0.125" CARDS | 2                     | 1210                           | 10800                        |
| <b>SHELL: WINCHESTER 3 1/2" SUPER MAGNUM PLASTIC BASEWAD</b> |         |                           |        |                    |                           |                       |                                |                              |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 32.0   | REM                | SP10                      | 2 1/4                 | 1135                           | 10900                        |
| WINCHESTER   | 209     | SR4756                    | 37.0   | REM                | SP10                      | 2 1/4                 | 1130                           | 11000                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 35.0   | REM                | SP10+(2)20GA 0.125" CARDS | 2                     | 1230                           | 10800                        |
| WINCHESTER   | 209     | SR4756                    | 42.0   | REM                | SP10+(1)20GA 0.125" CARD  | 2                     | 1245                           | 10700                        |

## 12 GAUGE BUCKSHOT RELOADING DATA

| PRIMER<br>MFR.                                  | NO.     | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | BP<br>SDC BUFFER<br>DESIGNATION<br>(GRAINS) | BUCKSHOT<br>NO. OF PELLETS | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|---------|---------------------------|--------|--------------------|---|----------------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL</b> |         |                           |        |                    |   |                            |                                |                              |
| FEDERAL   | 209A    | "HI-SKOR" 700-X           | 17.5   | FED                | 12S3  | 20                         | 8 00                           | 1230 10900                   |
| FEDERAL   | 209A    | PB                        | 25.0   | FED                | 12S4  | 20                         | 8 00                           | 1340 10900                   |
| FEDERAL   | 209A    | SR7625                    | 30.0   | FED                | 12S4  | 20                         | 8 00                           | 1410 10800                   |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 29.0   | FED                | 12S4  | 20                         | 8 00                           | 1465 10800                   |
| FEDERAL   | 209A    | SR4756                    | 37.0   | WIN                | WAA12R                                      | 18                         | 8 00                           | 1545 10900                   |
| <b>SHELL: REMINGTON 2 3/4" NITRO 27</b>         |         |                           |        |                    |   |                            |                                |                              |
| REMINGTON                                       | 209PSTS | "HI-SKOR" 700-X           | 17.5   | REM                | FIG8  | 20                         | 8 00                           | 1225 10700                   |
| FEDERAL   | 209A    | "HI-SKOR" 700-X           | 17.0   | REM                | FIG8  | 20                         | 8 00                           | 1210 10800                   |
| REMINGTON                                       | 209PSTS | PB                        | 25.0   | REM                | SP12  | 20                         | 8 00                           | 1340 10600                   |
| REMINGTON                                       | 209PSTS | SR7625                    | 30.5   | REM                | SP12  | 20                         | 8 00                           | 1425 10800                   |
| FEDERAL   | 209A    | SR7625                    | 27.0   | REM                | SP12  | 20                         | 8 00                           | 1360 10800                   |
| REMINGTON                                       | 209PSTS | "HI-SKOR" 800-X           | 30.0   | REM                | SP12  | 20                         | 8 00                           | 1475 10900                   |
| REMINGTON                                       | 209PSTS | SR4756                    | 37.0   | WIN                | WAA12R                                      | 18                         | 8 00                           | 1545 11000                   |
| <b>SHELL: WINCHESTER 2 3/4" AA</b>              |         |                           |        |                    |   |                            |                                |                              |
| WINCHESTER                                      | 209     | "HI-SKOR" 700-X           | 18.0   | WIN                | WAA12R                                      | 20                         | 8 00                           | 1245 10800                   |
| WINCHESTER                                      | 209     | PB                        | 27.5   | WIN                | WAA12R                                      | 20                         | 8 00                           | 1410 10800                   |
| WINCHESTER                                      | 209     | SR7625                    | 33.0   | WIN                | WAA12R                                      | 20                         | 8 00                           | 1495 10600                   |
| FEDERAL   | 209A    | SR7625                    | 29.5   | WIN                | WAA12R                                      | 20                         | 8 00                           | 1430 11000                   |
| WINCHESTER                                      | 209     | "HI-SKOR" 800-X           | 32.0   | WIN                | WAA12R                                      | 20                         | 8 00                           | 1545 10700                   |
| WINCHESTER                                      | 209     | SR4756                    | 39.5   | WIN                | WAA12R                                      | 18                         | 8 00                           | 1595 10800                   |

## 12 GAUGE FIELD RELOADING DATA

| PRIMER<br>MFR.  | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |                       |                                |                              |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.0   | FED.               | 12S4                  | 1 1/4                          | 1165 11500                   |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 20.0   | WINJ.              | WINDJAMMER            | 1 1/4                          | 1230 11300                   |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 19.0   | REM.               | FIG8                  | 1 1/4                          | 1200 11300                   |
| FEDERAL   | 209A | "HI-SKOR" 700-X           | 18.0   | WIN.               | WAA12                 | 1 1/4                          | 1180 11500                   |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5   | FED.               | 12S3                  | 1 1/4                          | 1205 11500                   |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 21.0   | WINJ.              | WINDJAMMER            | 1 1/4                          | 1260 11500                   |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 21.0   | REM.               | FIG8                  | 1 1/4                          | 1255 11500                   |
| REMINGTON   | 209P | "HI-SKOR" 700-X           | 19.5   | WIN.               | WAA12                 | 1 1/4                          | 1215 11400                   |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 19.0   | FED.               | 12S3                  | 1 1/4                          | 1195 11500                   |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 21.0   | WINJ.              | WINDJAMMER            | 1 1/4                          | 1250 11500                   |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 19.5   | REM.               | FIG8                  | 1 1/4                          | 1210 11100                   |
| WINCHESTER  | 209  | "HI-SKOR" 700-X           | 19.0   | WIN.               | WAA12                 | 1 1/4                          | 1200 11500                   |
| FEDERAL   | 209A | PB                        | 23.5   | FED.               | 12S4                  | 1 1/4                          | 1225 10500                   |
| FEDERAL   | 209A | PB                        | 25.0   | FED.               | 12S4                  | 1 1/4                          | 1270 11300                   |
| FEDERAL   | 209A | PB                        | 25.5   | REM.               | FIG8                  | 1 1/4                          | 1270 10500                   |
| FEDERAL   | 209A | PB                        | 27.0   | REM.               | FIG8                  | 1 1/4                          | 1315 11500                   |
| FEDERAL   | 209A | PB                        | 25.5   | CLAYB.             | CB3118-12AR           | 1 1/4                          | 1275 11100                   |
| FEDERAL   | 209A | PB                        | 26.0   | CLAYB.             | CB3118-12AR           | 1 1/4                          | 1295 11500                   |
| REMINGTON   | 209P | PB                        | 26.5   | FED.               | 12S4                  | 1 1/4                          | 1295 10000                   |
| REMINGTON   | 209P | PB                        | 28.0   | FED.               | 12S4                  | 1 1/4                          | 1325 11100                   |
| REMINGTON   | 209P | PB                        | 27.5   | REM.               | SP12                  | 1 1/4                          | 1270 9200                    |
| REMINGTON   | 209P | PB                        | 29.0   | REM.               | SP12                  | 1 1/4                          | 1330 10500                   |
| REMINGTON   | 209P | PB                        | 26.5   | CLAYB.             | CB3118-12AR           | 1 1/4                          | 1275 9600                    |
| REMINGTON   | 209P | PB                        | 28.0   | CLAYB.             | CB3118-12AR           | 1 1/4                          | 1305 10200                   |
| WINCHESTER  | 209  | PB                        | 26.0   | FED.               | 12S4                  | 1 1/4                          | 1275 10800                   |
| WINCHESTER  | 209  | PB                        | 27.5   | FED.               | 12S4                  | 1 1/4                          | 1320 11500                   |
| WINCHESTER  | 209  | PB                        | 26.5   | REM.               | SP12                  | 1 1/4                          | 1280 9800                    |
| WINCHESTER  | 209  | PB                        | 28.0   | REM.               | SP12                  | 1 1/4                          | 1320 10600                   |
| WINCHESTER  | 209  | PB                        | 26.5   | CLAYB.             | CB3118-12AR           | 1 1/4                          | 1270 10000                   |
| WINCHESTER  | 209  | PB                        | 28.0   | CLAYB.             | CB3118-12AR           | 1 1/4                          | 1330 11400                   |

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.  | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | SR7625                    | 27.0   | FED.               | 12S3        | 1 1/4                 | 1270                           | 10100                        |
| FEDERAL   | 209A | SR7625                    | 29.0   | FED.               | 12S3        | 1 1/4                 | 1325                           | 11000                        |
| FEDERAL   | 209A | SR7275                    | 27.0   | WIN.               | WAA12       | 1 1/4                 | 1275                           | 10100                        |
| FEDERAL   | 209A | SR7625                    | 28.5   | WIN.               | WAA12       | 1 1/4                 | 1330                           | 11400                        |
| FEDERAL   | 209A | SR7625                    | 27.0   | REM.               | SP12        | 1 1/4                 | 1280                           | 10000                        |
| FEDERAL   | 209A | SR7625                    | 28.5   | REM.               | SP12        | 1 1/4                 | 1330                           | 11000                        |
| FEDERAL   | 209A | SR7625                    | 26.5   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1270                           | 10100                        |
| FEDERAL   | 209A | SR7625                    | 28.0   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1320                           | 10800                        |
| REMINGTON   | 209P | SR7625                    | 28.0   | FED.               | 12S3        | 1 1/4                 | 1270                           | 8900                         |
| REMINGTON   | 209P | SR7625                    | 30.0   | FED.               | 12S3        | 1 1/4                 | 1330                           | 9700                         |
| REMINGTON   | 209P | SR7625                    | 29.0   | DINJ.              | WINDJAMMER  | 1 1/4                 | 1280                           | 8300                         |
| REMINGTON   | 209P | SR7625                    | 30.5   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1325                           | 9000                         |
| REMINGTON   | 209P | SR7625                    | 29.0   | REM.               | SP12        | 1 1/4                 | 1270                           | 8200                         |
| REMINGTON   | 209P | SR7625                    | 30.5   | REM.               | SP12        | 1 1/4                 | 1315                           | 8900                         |
| WINCHESTER  | 209  | SR7625                    | 28.0   | FED.               | 12S3        | 1 1/4                 | 1270                           | 9200                         |
| WINCHESTER  | 209  | SR7625                    | 30.0   | FED.               | 12S3        | 1 1/4                 | 1330                           | 10300                        |
| WINCHESTER  | 209  | SR7625                    | 28.5   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1270                           | 8300                         |
| WINCHESTER  | 209  | SR7625                    | 30.0   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1315                           | 9000                         |
| WINCHESTER  | 209  | SR7625                    | 28.0   | WIN.               | WAA12       | 1 1/4                 | 1270                           | 9100                         |
| WINCHESTER  | 209  | SR7625                    | 29.5   | WIN.               | WAA12       | 1 1/4                 | 1325                           | 10200                        |
| FEDERAL   | 209A | SR4756                    | 30.0   | FED.               | 12S4        | 1 1/4                 | 1285                           | 9700                         |
| FEDERAL   | 209A | SR4756                    | 31.5   | FED.               | 12S4        | 1 1/4                 | 1330                           | 10400                        |
| FEDERAL   | 209A | SR4756                    | 30.5   | WIN.               | WAA12R      | 1 1/4                 | 1285                           | 8900                         |
| FEDERAL   | 209A | SR4756                    | 31.5   | WIN.               | WAA12R      | 1 1/4                 | 1325                           | 9700                         |
| FEDERAL   | 209A | SR4756                    | 30.0   | REM.               | SP12        | 1 1/4                 | 1270                           | 9000                         |
| FEDERAL   | 209A | SR4756                    | 31.5   | REM.               | SP12        | 1 1/4                 | 1325                           | 9800                         |
| REMINGTON   | 209P | SR4756                    | 31.5   | FED.               | 12S4        | 1 1/4                 | 1220                           | 7100                         |
| REMINGTON   | 209P | SR4756                    | 33.0   | FED.               | 12S4        | 1 1/4                 | 1265                           | 7600                         |
| REMINGTON   | 209P | SR4756                    | 33.0   | WIN.               | WAA12R      | 1 1/4                 | 1285                           | 8000                         |
| REMINGTON   | 209P | SR4756                    | 34.0   | WIN.               | WAA12R      | 1 1/4                 | 1325                           | 8900                         |
| REMINGTON   | 209P | SR4756                    | 33.0   | REM.               | SP12        | 1 1/4                 | 1315                           | 7400                         |
| REMINGTON   | 209P | SR4756                    | 35.0   | REM.               | SP12        | 1 1/4                 | 1335                           | 8300                         |
| WINCHESTER  | 209  | SR4756                    | 31.0   | FED.               | 12S4        | 1 1/4                 | 1280                           | 9100                         |
| WINCHESTER  | 209  | SR4756                    | 32.0   | FED.               | 12S4        | 1 1/4                 | 1325                           | 9800                         |
| WINCHESTER  | 209  | SR4756                    | 30.5   | WIN.               | WAA12R      | 1 1/4                 | 1275                           | 8400                         |
| WINCHESTER  | 209  | SR4756                    | 32.0   | WIN.               | WAA12R      | 1 1/4                 | 1315                           | 8900                         |
| WINCHESTER  | 209  | SR4756                    | 32.0   | REM.               | RP12        | 1 1/4                 | 1290                           | 8800                         |
| WINCHESTER  | 209  | SR4756                    | 33.0   | REM.               | RP12        | 1 1/4                 | 1330                           | 9400                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 25.0   | FED.               | 12S4        | 1 1/4                 | 1280                           | 9500                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.5   | FED.               | 12S4        | 1 1/4                 | 1335                           | 10400                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.0   | WIN.               | WAA12       | 1 1/4                 | 1285                           | 9200                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 27.5   | WIN.               | WAA12       | 1 1/4                 | 1335                           | 10100                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 25.5   | REM.               | SP12        | 1 1/4                 | 1280                           | 9100                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 27.0   | REM.               | SP12        | 1 1/4                 | 1335                           | 9900                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.0   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1280                           | 8900                         |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 27.5   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1335                           | 9800                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 26.5   | FED.               | 12S4        | 1 1/4                 | 1285                           | 8900                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 28.0   | FED.               | 12S4        | 1 1/4                 | 1335                           | 9700                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 27.0   | WIN.               | WAA12       | 1 1/4                 | 1275                           | 7900                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 28.5   | WIN.               | WAA12       | 1 1/4                 | 1335                           | 9000                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 27.0   | REM.               | SP12        | 1 1/4                 | 1270                           | 7700                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 29.0   | REM.               | SP12        | 1 1/4                 | 1335                           | 8500                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 27.0   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1275                           | 7700                         |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 29.0   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1330                           | 8500                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 26.0   | FED.               | 12S3        | 1 1/4                 | 1280                           | 8800                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 27.5   | FED.               | 12S3        | 1 1/4                 | 1330                           | 9700                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 25.5   | WIN.               | WAA12       | 1 1/4                 | 1265                           | 8600                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 27.5   | WIN.               | WAA12       | 1 1/4                 | 1330                           | 9600                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 26.0   | REM.               | SP12        | 1 1/4                 | 1275                           | 8200                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 27.5   | REM.               | SP12        | 1 1/4                 | 1330                           | 9100                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 26.0   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1270                           | 8100                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 28.0   | CLAYB.             | CB3118-12AR | 1 1/4                 | 1335                           | 9300                         |

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.  | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | PB                        | 22.5   | WIN.               | WAA12R      | 1 3/8                 | 1170                           | 10800                        |
| FEDERAL   | 209A | PB                        | 22.5   | REM.               | SP12        | 1 3/8                 | 1160                           | 10900                        |
| REMINGTON   | 209P | PB                        | 26.5   | WIN.               | WAA12R      | 1 3/8                 | 1255                           | 11000                        |
| REMINGTON   | 209P | PB                        | 24.5   | REM.               | SP12        | 1 3/8                 | 1205                           | 11000                        |
| WINCHESTER  | 209  | PB                        | 24.0   | WIN.               | WAA12R      | 1 3/8                 | 1200                           | 11000                        |
| WINCHESTER  | 209  | PB                        | 23.5   | REM.               | SP12        | 1 3/8                 | 1185                           | 11100                        |
| FEDERAL   | 209A | SR7625                    | 26.0   | WIN.               | WAA12R      | 1 3/8                 | 1210                           | 11000                        |
| FEDERAL   | 209A | SR7625                    | 25.0   | REM.               | SP12        | 1 3/8                 | 1180                           | 11200                        |
| REMINGTON   | 209P | SR7625                    | 28.5   | WIN.               | WAA12R      | 1 3/8                 | 1255                           | 11000                        |
| REMINGTON   | 209P | SR7625                    | 28.0   | REM.               | RP12        | 1 3/8                 | 1240                           | 11100                        |
| WINCHESTER  | 209  | SR7625                    | 27.0   | WIN.               | WAA12R      | 1 3/8                 | 1225                           | 11000                        |
| WINCHESTER  | 209  | SR7625                    | 26.5   | REM.               | SP12        | 13/8                  | 1210                           | 11200                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.0   | WIN.               | WAA12R      | 1 3/8                 | 1280                           | 11000                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.5   | REM.               | SP12        | 1 3/8                 | 1285                           | 11000                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 25.0   | FED.               | 12S4        | 1 3/8                 | 1240                           | 10900                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 30.5   | WIN.               | WAA12R      | 1 3/8                 | 1375                           | 11000                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 32.0   | REM.               | SP12        | 1 3/8                 | 1390                           | 11000                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 27.0   | FED.               | 12S4        | 1 3/8                 | 1260                           | 9700                         |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 27.5   | WIN.               | WAA12R      | 1 3/8                 | 1310                           | 11000                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 29.0   | REM.               | SP12        | 1 3/8                 | 1335                           | 10900                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 26.0   | FED.               | 12S4        | 1 3/8                 | 1270                           | 11000                        |
| FEDERAL   | 209A | SR4756                    | 31.5   | WIN.               | WAA12R      | 1 3/8                 | 1305                           | 11000                        |
| FEDERAL   | 209A | SR4756                    | 30.0   | REM.               | RP12        | 1 3/8                 | 1265                           | 10900                        |
| REMINGTON   | 209P | SR4756                    | 35.0   | WIN.               | WA12R       | 1 3/8                 | 1365                           | 10500                        |
| REMINGTON   | 209P | SR4756                    | 34.5   | REM.               | RP12        | 1 3/8                 | 1350                           | 10900                        |
| WINCHESTER  | 209  | SR4756                    | 34.0   | WIN.               | WAA12R      | 1 3/8                 | 1335                           | 11000                        |
| WINCHESTER  | 209  | SR4756                    | 33.0   | REM.               | RP12        | 1 3/8                 | 1320                           | 11200                        |
| FEDERAL   | 209A | SR7625                    | 25.0   | REM.               | RP12        | 1 1/2                 | 1140                           | 11400                        |
| FEDERAL   | 209A | SR7625                    | 25.5   | WIN.               | WAA12R      | 1 1/2                 | 1150                           | 11200                        |
| REMINGTON   | 209P | SR7625                    | 27.5   | REM.               | RP12        | 1 1/2                 | 1185                           | 11100                        |
| REMINGTON   | 209P | SR7625                    | 28.0   | WIN.               | WAA12R      | 1 1/2                 | 1170                           | 11000                        |
| WINCHESTER  | 209  | SR7625                    | 25.5   | REM.               | RP12        | 1 1/2                 | 1140                           | 11000                        |
| WINCHESTER  | 209  | SR7625                    | 26.5   | WIN.               | WAA12R      | 1 1/2                 | 1160                           | 11000                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.5   | REM.               | SP12        | 1 1/2                 | 1220                           | 11000                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 26.0   | WIN.               | WAA12R      | 1 1/2                 | 1215                           | 11200                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 24.5   | FED.               | 12S4        | 1 1/2                 | 1180                           | 11200                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 28.5   | REM.               | RP12        | 1 1/2                 | 1265                           | 11000                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 26.0   | RED.               | 12S4        | 1 1/2                 | 1190                           | 10400                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 27.0   | REM.               | SP12        | 1 1/2                 | 1225                           | 11100                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 27.0   | WIN.               | WAA12R      | 1 1/2                 | 1245                           | 11000                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 25.0   | FED.               | 12S4        | 1 1/2                 | 1170                           | 11000                        |
| FEDERAL   | 209A | SR4756                    | 27.5   | REM.               | RP12        | 1 1/2                 | 1160                           | 11000                        |
| FEDERAL   | 209A | SR4756                    | 28.0   | WIN.               | WAA12R      | 1 1/2                 | 1175                           | 11100                        |
| REMINGTON   | 209P | SR4756                    | 30.5   | REM.               | RP12        | 1 1/2                 | 1220                           | 11100                        |
| REMINGTON   | 209P | SR4756                    | 30.0   | WIN.               | WAA12R      | 1 1/2                 | 1165                           | 9000                         |
| WINCHESTER  | 209  | SR4756                    | 28.5   | REM.               | RP12        | 1 1/2                 | 1175                           | 11000                        |
| WINCHESTER  | 209  | SR4756                    | 30.0   | WIN.               | WAA12R      | 1 1/2                 | 1205                           | 10800                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

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| PRIMER<br>MFR.  | NO.     | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION  | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|---------|---------------------------|--------|--------------------|--------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 3" PLASTIC HUNTING CASE PAPER BASEWAD</b> |         |                           |        |                    |              |                       |                                |                              |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 29.0   | REM.<br>FED.       | R12H<br>12S4 | 1 1/2                 | 1270                           | 10700                        |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 27.5   |                    |              | 1 1/2                 | 1230                           | 10800                        |
| REMINGTON   | 209P    | "HI-SKOR" 800-X           | 33.0   | REM.<br>FED.       | R12H         | 1 1/2                 | 1335                           | 10600                        |
| REMINGTON   | 209P    | "HI-SKOR" 800-X           | 31.0   |                    | 12S4         | 1 1/2                 | 1290                           | 10600                        |
| WINCHESTER  | 209     | "HI-SKOR" 800-X           | 30.0   | REM.<br>FED.       | R12H         | 1 1/2                 | 1290                           | 10500                        |
| WINCHESTER  | 209     | "HI-SKOR" 800-X           | 29.0   |                    | 12S4         | 1 1/2                 | 1260                           | 10600                        |
| FEDERAL   | 209A    | SR4756                    | 33.0   | WIN.<br>REM.       | WAA12R       | 1 1/2                 | 1255                           | 10700                        |
| FEDERAL   | 209A    | SR4756                    | 33.5   |                    | RP12         | 1 1/2                 | 1285                           | 10800                        |
| REMINGTON   | 209P    | SR4756                    | 37.0   | WIN.<br>REM.       | WAA12R       | 1 1/2                 | 1305                           | 9600                         |
| REMINGTON   | 209P    | SR4756                    | 37.0   |                    | RP12         | 1 1/2                 | 1295                           | 9100                         |
| WINCHESTER  | 209     | SR4756                    | 37.0   | WIN.<br>REM.       | WAA12R       | 1 1/2                 | 1315                           | 10400                        |
| WINCHESTER  | 209     | SR4756                    | 37.0   |                    | RP12         | 1 1/2                 | 1305                           | 9900                         |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 26.0   | WIN.<br>REM.       | WAA12R       | 1 5/8                 | 1175                           | 10800                        |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 26.0   |                    | SP12         | 1 5/8                 | 1175                           | 10800                        |
| REMINGTON   | 209PSTS | "HI-SKOR" 800-X           | 27.5   | WIN.<br>REM.       | WAA12R       | 1 5/8                 | 1200                           | 10900                        |
| REMINGTON   | 209PSTS | "HI-SKOR" 800-X           | 28.0   |                    | SP12         | 1 5/8                 | 1200                           | 10800                        |
| WINCHESTER  | 209     | "HI-SKOR" 800-X           | 28.5   | WIN.<br>REM.       | WAA12R       | 1 5/8                 | 1230                           | 11000                        |
| WINCHESTER  | 209     | "HI-SKOR" 800-X           | 29.0   |                    | SP12         | 1 5/8                 | 1230                           | 10900                        |
| FEDERAL   | 209A    | SR4756                    | 31.0   | WIN.<br>REM.       | WAA12R       | 1 5/8                 | 1185                           | 10800                        |
| FEDERAL   | 209A    | SR4756                    | 31.0   |                    | RP12         | 1 5/8                 | 1185                           | 11000                        |
| REMINGTON   | 209PSTS | SR4756                    | 35.5   | WIN.<br>REM.       | WAA12R       | 1 5/8                 | 1250                           | 10900                        |
| REMINGTON   | 209PSTS | SR4756                    | 34.5   |                    | RP12         | 1 5/8                 | 1235                           | 10800                        |
| WINCHESTER  | 209     | SR4756                    | 35.5   | WIN.<br>REM.       | WAA12R       | 1 5/8                 | 1260                           | 10800                        |
| WINCHESTER  | 209     | SR4756                    | 36.0   |                    | RP12         | 1 5/8                 | 1260                           | 10800                        |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 25.5   | WIN.<br>REM.       | WAA12R       | 1 3/4                 | 1130                           | 10700                        |
| FEDERAL   | 209A    | "HI-SKOR" 800-X           | 25.0   |                    | RP12         | 1 3/4                 | 1115                           | 10800                        |
| REMINGTON   | 209P    | "HI-SKOR" 800-X           | 28.0   | WIN.<br>REM.       | WAA12R       | 1 3/4                 | 1175                           | 10600                        |
| REMINGTON   | 209P    | "HI-SKOR" 800-X           | 28.0   |                    | RP12         | 1 3/4                 | 1170                           | 10500                        |
| WINCHESTER  | 209     | "HI-SKOR" 800-X           | 27.5   | WIN.<br>REM.       | WAA12R       | 1 3/4                 | 1165                           | 10800                        |
| WINCHESTER  | 209     | "HI-SKOR" 800-X           | 27.5   |                    | RP12         | 1 3/4                 | 1155                           | 10600                        |
| <b>SHELL: REMINGTON 2 3/4" PREMIER, RTL, STS, NITRO 27</b>  |         |                           |        |                    |              |                       |                                |                              |
| REMINGTON   | 209P    | PB                        | 23.0   | REM.               | SP12         | 1 1/4                 | 1215                           | 10600                        |
| REMINGTON   | 209P    | PB                        | 24.5   | REM.               | SP12         | 1 1/4                 | 1270                           | 11500                        |
| FEDERAL   | 209A    | SR7625                    | 24.0   | REM.               | SP12         | 1 1/4                 | 1215                           | 10600                        |
| FEDERAL   | 209A    | SR7625                    | 25.5   | REM.               | SP12         | 1 1/4                 | 1265                           | 11500                        |
| FEDERAL   | 209A    | SR7625                    | 24.0   | WIN.               | WAA12R       | 1 1/4                 | 1210                           | 9900                         |
| FEDERAL   | 209A    | SR7625                    | 26.0   | WIN.               | WAA12R       | 1 1/4                 | 1280                           | 11300                        |
| REMINGTON   | 209P    | SR7625                    | 27.5   | REM.               | SP12         | 1 1/4                 | 1280                           | 10600                        |
| REMINGTON   | 209P    | SR7625                    | 28.5   | REM.               | SP12         | 1 1/4                 | 1330                           | 11500                        |
| REMINGTON   | 209P    | SR7625                    | 27.0   | WIN.               | WAA12R       | 1 1/4                 | 1280                           | 10300                        |
| REMINGTON   | 209P    | SR7625                    | 28.5   | WIN.               | WAA12R       | 1 1/4                 | 1335                           | 11400                        |
| WINCHESTER  | 209     | SR7625                    | 26.5   | REM.               | SP12         | 1 1/4                 | 1280                           | 10800                        |
| WINCHESTER  | 209     | SR7625                    | 27.5   | REM.               | SP12         | 1 1/4                 | 1315                           | 11500                        |
| WINCHESTER  | 209     | SR7625                    | 27.0   | WIN.               | WAA12R       | 1 1/4                 | 1280                           | 10200                        |
| WINCHESTER  | 209     | SR7625                    | 29.0   | WIN.               | WAA12R       | 1 1/4                 | 1340                           | 11500                        |
| FEDERAL   | 209A    | SR4756                    | 26.5   | REM.               | RP12         | 1 1/4                 | 1235                           | 10500                        |
| FEDERAL   | 209A    | SR4756                    | 28.0   | REM.               | RP12         | 1 1/4                 | 1300                           | 11500                        |
| FEDERAL   | 209A    | SR4756                    | 28.0   | WIN.               | WAA12R       | 1 1/4                 | 1270                           | 10600                        |
| FEDERAL   | 209A    | SR4756                    | 29.0   | WIN.               | WAA12R       | 1 1/4                 | 1315                           | 11400                        |
| FEDERAL   | 209A    | SR4756                    | 26.5   | FED.               | 12S4         | 1 1/4                 | 1230                           | 10700                        |
| FEDERAL   | 209A    | SR4756                    | 27.5   | FED.               | 12S4         | 1 1/4                 | 1270                           | 11400                        |
| REMINGTON   | 209P    | SR4756                    | 30.0   | REM.               | SP12         | 1 1/4                 | 1275                           | 9300                         |
| REMINGTON   | 209P    | SR4756                    | 31.5   | REM.               | SP12         | 1 1/4                 | 1335                           | 10400                        |

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.   | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR.  | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|-------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON 2 3/4" PREMIER, RTL, STS, NITRO 27</b> |      |                           |        |       |                           |                       |                                |                              |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.0   | REM.  | FIG8                      | 1 1/4                 | 1270                           | 10200                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 25.5   | REM.  | FIG8                      | 1 1/4                 | 1325                           | 11100                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.0   | WINJ. | WINDJAMMER                | 1 1/4                 | 1275                           | 9900                         |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 25.5   | WINJ. | WINDJAMMER                | 1 1/4                 | 1330                           | 10900                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.0   | WIN.  | WAA12                     | 1 1/4                 | 1275                           | 11400                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 24.0   | FED.  | 12S3                      | 1 1/4                 | 1275                           | 11200                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 24.5   | REM.  | SP12                      | 1 1/4                 | 1265                           | 9500                         |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 26.0   | REM.  | SP12                      | 1 1/4                 | 1320                           | 10200                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 25.0   | WINJ. | WINDJAMMER                | 1 1/4                 | 1265                           | 9000                         |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 26.5   | WINJ. | WINDJAMMER                | 1 1/4                 | 1325                           | 10000                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 24.5   | WIN.  | WAA12                     | 1 1/4                 | 1275                           | 10300                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 26.0   | WIN.  | WAA12                     | 1 1/4                 | 1325                           | 11100                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 24.5   | FED.  | 12S3                      | 1 1/4                 | 1270                           | 10500                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 26.0   | FED.  | 12S3                      | 1 1/4                 | 1320                           | 11400                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.5   | REM.  | SP12                      | 1 1/4                 | 1280                           | 10100                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 26.0   | REM.  | SP12                      | 1 1/4                 | 1335                           | 11000                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.5   | WINJ. | WINDJAMMER                | 1 1/4                 | 1275                           | 9700                         |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.5   | WIN.  | WAA12                     | 1 1/4                 | 1285                           | 11000                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 25.5   | WIN.  | WAA12                     | 1 1/4                 | 1320                           | 11500                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.5   | FED.  | 12S4                      | 1 1/4                 | 1275                           | 10600                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 26.0   | FED.  | 12S4                      | 1 1/4                 | 1330                           | 11500                        |
| FEDERAL  | 209A | PB                        | 19.5   | WIN.  | WAA12R                    | 1 3/8                 | 1105                           | 10900                        |
| FEDERAL  | 209A | PB                        | 19.5   | REM.  | SP12                      | 1 3/8                 | 1090                           | 11000                        |
| REMINGTON  | 209P | PB                        | 21.5   | WIN.  | WAA12R                    | 1 3/8                 | 1150                           | 10900                        |
| REMINGTON  | 209P | PB                        | 21.0   | REM.  | SP12                      | 1 3/8                 | 1130                           | 11000                        |
| WINCHESTER   | 209  | PB                        | 21.5   | WIN.  | WAA12R                    | 1 3/8                 | 1145                           | 11000                        |
| WINCHESTER   | 209  | PB                        | 20.5   | REM.  | RP12                      | 1 3/8                 | 1120                           | 11100                        |
| FEDERAL  | 209A | SR7625                    | 21.5   | WIN.  | WAA12R                    | 1 3/8                 | 1100                           | 10800                        |
| FEDERAL  | 209A | SR7625                    | 22.0   | REM.  | SP12                      | 1 3/8                 | 1110                           | 11200                        |
| REMINGTON  | 209P | SR7625                    | 25.0   | WIN.  | WAA12R                    | 1 3/8                 | 1185                           | 11000                        |
| REMINGTON  | 209P | SR7625                    | 24.5   | REM.  | RP12                      | 1 3/8                 | 1165                           | 10800                        |
| WINCHESTER   | 209  | SR7625                    | 23.5   | WIN.  | WAA12R                    | 1 3/8                 | 1145                           | 10900                        |
| WINCHESTER   | 209  | SR7625                    | 23.0   | REM.  | RP12                      | 1 3/8                 | 1140                           | 11100                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 23.0   | WIN.  | WAA12R                    | 1 3/8                 | 1215                           | 11000                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 22.5   | REM.  | RP12                      | 1 3/8                 | 1205                           | 11000                        |
| FEDERAL  | 209A | "HI-SKOR" 800-X           | 21.5   | FED.  | 12S4                      | 1 3/8                 | 1155                           | 10900                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 25.5   | WIN.  | WAA12R                    | 1 3/8                 | 1270                           | 11100                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 26.5   | REM.  | SP12                      | 1 3/8                 | 1275                           | 11000                        |
| REMINGTON  | 209P | "HI-SKOR" 800-X           | 24.0   | FED.  | 12S4                      | 1 3/8                 | 1225                           | 11100                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.5   | WIN.  | WAA12R                    | 1 3/8                 | 1240                           | 10900                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 24.0   | REM.  | SP12                      | 1 3/8                 | 1230                           | 11000                        |
| WINCHESTER   | 209  | "HI-SKOR" 800-X           | 22.5   | FED.  | 12S3                      | 1 3/8                 | 1180                           | 11100                        |
| FEDERAL  | 209A | SR4756                    | 26.0   | WIN.  | WAA12R                    | 1 3/8                 | 1205                           | 11100                        |
| FEDERAL  | 209A | SR4756                    | 26.0   | REM.  | SP12                      | 1 3/8                 | 1175                           | 11000                        |
| REMINGTON  | 209P | SR4756                    | 30.5   | WIN.  | WAA12R                    | 1 3/8                 | 1290                           | 11100                        |
| REMINGTON  | 209P | SR4756                    | 30.0   | REM.  | SP12                      | 1 3/8                 | 1260                           | 10900                        |
| WINCHESTER   | 209  | SR4756                    | 28.5   | WIN.  | WAA12R                    | 1 3/8                 | 1230                           | 10900                        |
| WINCHESTER   | 209  | SR4756                    | 29.0   | REM.  | RP12                      | 1 3/8                 | 1250                           | 11100                        |
| FEDERAL  | 209A | SR7625                    | 21.0   | REM.  | RP12                      | 1 1/2                 | 1040                           | 11000                        |
| FEDERAL  | 209A | SR7625                    | 21.5   | WIN.  | WAA12R                    | 1 1/2                 | 1055                           | 11000                        |
| REMINGTON  | 209P | SR7625                    | 23.5   | REM.  | RP12                      | 1 1/2                 | 1090                           | 11200                        |
| REMINGTON  | 209P | SR7625                    | 23.5   | WIN.  | WAA12R                    | 1 1/2                 | 1085                           | 11000                        |
| WINCHESTER   | 209  | SR7625                    | 22.5   | REM.  | RP12                      | 1 1/2                 | 1080                           | 11200                        |
| WINCHESTER   | 209  | SR7625                    | 23.0   | WIN.  | WAA12R                    | 1 1/2                 | 1080                           | 11000                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.   | NO.     | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION    | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|---------|---------------------------|--------|--------------------|----------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON 2 3/4" PREMIER, RTL, STS, NITRO 27</b> |         |                           |        |                    |                |                       |                                |                              |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 22.0   | REM.<br>WIN.       | RP12<br>WAA12R | 1 1/2                 | 1130                           | 11200                        |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 22.5   |                    |                | 1 1/2                 | 1140                           | 11300                        |
| REMINGTON  | 209P    | "HI-SKOR" 800-X           | 23.0   | REM.<br>WIN.       | RP12<br>WAA12R | 1 1/2                 | 1155                           | 11200                        |
| REMINGTON  | 209P    | "HI-SKOR" 800-X           | 23.5   |                    |                | 1 1/2                 | 1170                           | 11200                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 22.5   | REM.<br>WIN.       | RP12<br>WAA12R | 1 1/2                 | 1140                           | 11300                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 23.0   |                    |                | 1 1/2                 | 1150                           | 11200                        |
| FEDERAL  | 209A    | SR4756                    | 23.5   | REM.<br>WIN.       | RP12<br>WAA12R | 1 1/2                 | 1075                           | 11000                        |
| FEDERAL  | 209A    | SR4756                    | 24.0   |                    |                | 1 1/2                 | 1090                           | 11000                        |
| REMINGTON  | 209P    | SR4756                    | 27.0   | REM.<br>WIN.       | RP12<br>WAA12R | 1 1/2                 | 1150                           | 11200                        |
| REMINGTON  | 209P    | SR4756                    | 27.5   |                    |                | 1 1/2                 | 1160                           | 11000                        |
| WINCHESTER   | 209     | SR4756                    | 25.5   | REM.<br>WIN.       | RP12<br>WAA12R | 1 1/2                 | 1115                           | 11000                        |
| WINCHESTER   | 209     | SR4756                    | 26.5   |                    |                | 1 1/2                 | 1130                           | 11200                        |
| <b>SHELL: REMINGTON 3" NITRO PLASTIC BASEWAD</b>           |         |                           |        |                    |                |                       |                                |                              |
| WINCHESTER   | 209     | SR7625                    | 33.5   | REM.<br>REM.       | SP12<br>RXP12  | 1 1/2                 | 1280                           | 10700                        |
| WINCHESTER   | 209     | SR7625                    | 34.0   |                    |                | 1 1/2                 | 1285                           | 10600                        |
| WINCHESTER   | 209     | SR4756                    | 38.5   | REM.               | SP12           | 1 1/2                 | 1345                           | 10500                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 29.5   | WIN.<br>REM.       | WAA12<br>SP12  | 1 1/2                 | 1285                           | 10800                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 30.5   |                    |                | 1 1/2                 | 1300                           | 10600                        |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 25.5   | WIN.<br>REM.       | WAA12<br>R12H  | 1 5/8                 | 1160                           | 10900                        |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 25.5   |                    |                | 1 5/8                 | 1160                           | 10900                        |
| REMINGTON  | 209PSTS | "HI-SKOR" 800-X           | 27.5   | WIN.<br>REM.       | WAA12<br>SP12  | 1 5/8                 | 1205                           | 10800                        |
| REMINGTON  | 209PSTS | "HI-SKOR" 800-X           | 28.0   |                    |                | 1 5/8                 | 1210                           | 10900                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 28.0   | WIN.<br>REM.       | WAA12<br>SP12  | 1 5/8                 | 1210                           | 10800                        |
| WINCHESTER   | 209     | "HI-SKOR" 800-X           | 28.0   |                    |                | 1 5/8                 | 1210                           | 10800                        |
| FEDERAL  | 209A    | SR4756                    | 30.0   | WIN.<br>REM.       | WAA12R<br>RP12 | 1 5/8                 | 1180                           | 11000                        |
| FEDERAL  | 209A    | SR4756                    | 30.5   |                    |                | 1 5/8                 | 1175                           | 10900                        |
| REMINGTON  | 209PSTS | SR4756                    | 34.0   | WIN.<br>REM.       | WAA12R<br>RP12 | 1 5/8                 | 1240                           | 10900                        |
| REMINGTON  | 209PSTS | SR4756                    | 34.0   |                    |                | 1 5/8                 | 1235                           | 10900                        |
| WINCHESTER   | 209     | SR4756                    | 35.0   | WIN.<br>REM.       | WAA12R<br>RP12 | 1 5/8                 | 1250                           | 11000                        |
| WINCHESTER   | 209     | SR4756                    | 33.5   |                    |                | 1 5/8                 | 1230                           | 10800                        |
| <b>SHELL: WINCHESTER 2 3/4" AA</b>                         |         |                           |        |                    |                |                       |                                |                              |
| FEDERAL  | 209A    | "HI-SKOR" 700-X           | 17.0   | WINJ.              | WINDJAMMER     | 1 1/4                 | 1140                           | 11500                        |
| REMINGTON  | 209P    | "HI-SKOR" 700-X           | 19.0   | WINJ.              | WINDJAMMER     | 1 1/4                 | 1200                           | 11200                        |
| WINCHESTER   | 209     | "HI-SKOR" 700-X           | 17.5   | WINJ.              | WINDJAMMER     | 1 1/4                 | 1150                           | 11400                        |
| WINCHESTER   | 209     | PB                        | 23.5   | WIN.               | WAA12R         | 1 1/4                 | 1220                           | 10500                        |
| WINCHESTER   | 209     | PB                        | 25.0   | WIN.               | WAA12R         | 1 1/4                 | 1270                           | 11500                        |
| FEDERAL  | 209A    | SR7625                    | 26.5   | WIN.               | WAA12R         | 1 1/4                 | 1285                           | 10900                        |
| FEDERAL  | 209A    | SR7625                    | 27.5   | WIN.               | WAA12R         | 1 1/4                 | 1320                           | 11500                        |
| FEDERAL  | 209A    | SR7625                    | 26.0   | REM.               | SP12           | 1 1/4                 | 1275                           | 11000                        |
| FEDERAL  | 209A    | SR7625                    | 27.0   | REM.               | SP12           | 1 1/4                 | 1310                           | 11500                        |
| REMINGTON  | 209P    | SR7625                    | 28.0   | WIN.               | WAA12R         | 1 1/4                 | 1270                           | 9100                         |
| REMINGTON  | 209P    | SR7625                    | 29.5   | WIN.               | WAA12R         | 1 1/4                 | 1325                           | 10300                        |
| REMINGTON  | 209P    | SR7625                    | 28.0   | REM.               | SP12           | 1 1/4                 | 1290                           | 10200                        |
| REMINGTON  | 209P    | SR7625                    | 29.0   | REM.               | SP12           | 1 1/4                 | 1325                           | 10900                        |
| REMINGTON  | 209P    | SR7625                    | 26.5   | FED.               | 12S4           | 1 1/4                 | 1265                           | 10700                        |
| REMINGTON  | 209P    | SR7625                    | 28.0   | FED.               | 12S4           | 1 1/4                 | 1315                           | 11500                        |
| WINCHESTER   | 209     | SR7625                    | 27.0   | WIN.               | WAA12          | 1 1/4                 | 1275                           | 11000                        |
| WINCHESTER   | 209     | SR7625                    | 28.0   | WIN.               | WAA12          | 1 1/4                 | 1310                           | 11500                        |
| WINCHESTER   | 209     | SR7625                    | 27.5   | REM.               | SP12           | 1 1/4                 | 1275                           | 10300                        |
| WINCHESTER   | 209     | SR7625                    | 29.0   | REM.               | SP12           | 1 1/4                 | 1325                           | 11400                        |
| WINCHESTER   | 209     | SR7625                    | 25.0   | FED.               | 12S4           | 1 1/4                 | 1215                           | 10200                        |
| WINCHESTER   | 209     | SR7625                    | 26.5   | FED.               | 12S4           | 1 1/4                 | 1270                           | 11400                        |
| FEDERAL  | 209A    | SR4756                    | 28.5   | WIN.               | WAA12R         | 1 1/4                 | 1280                           | 10600                        |
| FEDERAL  | 209A    | SR4756                    | 30.0   | WIN.               | WAA12R         | 1 1/4                 | 1330                           | 11500                        |
| FEDERAL  | 209A    | SR4756                    | 26.0   | FED.               | 12S4           | 1 1/4                 | 1225                           | 10700                        |
| FEDERAL  | 209A    | SR4756                    | 27.5   | FED.               | 12S4           | 1 1/4                 | 1270                           | 11500                        |
| FEDERAL  | 209A    | SR4756                    | 28.5   | REM.               | SP12           | 1 1/4                 | 1285                           | 10800                        |
| FEDERAL  | 209A    | SR4756                    | 29.5   | REM.               | SP12           | 1 1/4                 | 1325                           | 11500                        |

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.                     | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|------------------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER 2 3/4" AA</b> |      |                           |        |                    |             |                       |                                |                              |
| REMINGTON                          | 209P | SR4756                    | 31.5   | WIN.               | WAA12R      | 1 1/4                 | 1270                           | 8200                         |
| REMINGTON                          | 209P | SR4756                    | 33.0   | WIN.               | WAA12R      | 1 1/4                 | 1330                           | 9000                         |
| REMINGTON                          | 209P | SR4756                    | 29.5   | FED.               | 12S4        | 1 1/4                 | 1230                           | 8400                         |
| REMINGTON                          | 209P | SR4756                    | 30.5   | REM.               | RP12        | 1 1/4                 | 1275                           | 9600                         |
| REMINGTON                          | 209P | SR4756                    | 31.5   | REM.               | RP12        | 1 1/4                 | 1330                           | 10600                        |
| WINCHESTER                         | 209  | SR4756                    | 30.5   | WIN.               | WAA12R      | 1 1/4                 | 1280                           | 9400                         |
| WINCHESTER                         | 209  | SR4756                    | 32.0   | WIN.               | WAA12R      | 1 1/4                 | 1335                           | 10300                        |
| WINCHESTER                         | 209  | SR4756                    | 26.5   | FED.               | 12S4        | 1 1/4                 | 1180                           | 9000                         |
| WINCHESTER                         | 209  | SR4756                    | 27.5   | FED.               | 12S4        | 1 1/4                 | 1220                           | 9500                         |
| WINCHESTER                         | 209  | SR4756                    | 30.0   | REM.               | SP12        | 1 1/4                 | 1285                           | 10000                        |
| WINCHESTER                         | 209  | SR4756                    | 31.5   | REM.               | SP12        | 1 1/4                 | 1340                           | 11000                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 24.5   | WIN.               | WAA12       | 1 1/4                 | 1270                           | 10400                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 26.0   | WIN.               | WAA12       | 1 1/4                 | 1325                           | 11400                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 24.5   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1270                           | 9300                         |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 26.0   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1320                           | 10000                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 25.0   | REM.               | SP12        | 1 1/4                 | 1275                           | 9800                         |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 26.5   | REM.               | SP12        | 1 1/4                 | 1325                           | 10700                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 24.5   | FED.               | 12S4        | 1 1/4                 | 1270                           | 10600                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 26.0   | FED.               | 12S4        | 1 1/4                 | 1325                           | 11500                        |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 27.0   | WIN.               | WAA12       | 1 1/4                 | 1275                           | 8200                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 28.5   | WIN.               | WAA12       | 1 1/4                 | 1335                           | 9600                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 26.0   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1270                           | 8100                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 28.5   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1325                           | 9000                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 27.5   | REM.               | SP12        | 1 1/4                 | 1280                           | 7800                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 29.0   | REM.               | SP12        | 1 1/4                 | 1325                           | 8500                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 26.0   | FED.               | 12S4        | 1 1/4                 | 1265                           | 8600                         |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 27.5   | FED.               | 12S4        | 1 1/4                 | 1320                           | 9600                         |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 25.0   | WIN.               | WAA12       | 1 1/4                 | 1270                           | 9900                         |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 26.5   | WIN.               | WAA12       | 1 1/4                 | 1320                           | 10700                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-S           | 25.5   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1275                           | 9000                         |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 27.0   | WINJ.              | WINDJAMMER  | 1 1/4                 | 1330                           | 10000                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 25.0   | REM.               | SP12        | 1 1/4                 | 1270                           | 9400                         |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 26.5   | REM.               | SP12        | 1 1/4                 | 1325                           | 10200                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 25.0   | FED.               | 12S3        | 1 1/4                 | 1275                           | 10000                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 26.5   | FED.               | 12S3        | 1 1/4                 | 1330                           | 10900                        |
| FEDERAL                            | 209A | PB                        | 20.0   | WIN.               | WAA12R      | 1 3/8                 | 1105                           | 11200                        |
| FEDERAL                            | 209A | PB                        | 19.5   | REM.               | RP12        | 1 3/8                 | 1090                           | 11100                        |
| REMINGTON                          | 209P | PB                        | 22.5   | WIN.               | WAA12R      | 1 3/8                 | 1165                           | 11100                        |
| REMINGTON                          | 209P | PB                        | 22.0   | REM.               | RP12        | 1 3/8                 | 1150                           | 11200                        |
| WINCHESTER                         | 209  | PB                        | 21.0   | WIN.               | WAA12R      | 1 3/8                 | 1125                           | 10900                        |
| WINCHESTER                         | 209  | PB                        | 20.5   | REM.               | SP12        | 1 3/8                 | 1115                           | 11100                        |
| FEDERAL                            | 209A | SR7625                    | 22.5   | WIN.               | WAA12R      | 1 3/8                 | 1130                           | 11000                        |
| FEDERAL                            | 209A | SR7625                    | 23.0   | REM.               | SP12        | 1 3/8                 | 1130                           | 11100                        |
| REMINGTON                          | 209P | SR7625                    | 26.0   | WIN.               | WAA12R      | 1 3/8                 | 1190                           | 11000                        |
| REMINGTON                          | 209P | SR7625                    | 24.5   | REM.               | SP12        | 1 3/8                 | 1155                           | 10900                        |
| WINCHESTER                         | 209  | SR7625                    | 24.0   | WIN.               | WAA12R      | 1 3/8                 | 1155                           | 11200                        |
| WINCHESTER                         | 209  | SR7625                    | 24.0   | REM.               | SP12        | 1 3/8                 | 1150                           | 10900                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 25.5   | WIN.               | WAA12R      | 1 3/8                 | 1260                           | 11000                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 25.0   | REM.               | SP12        | 1 3/8                 | 1245                           | 11100                        |
| FEDERAL                            | 209A | "HI-SKOR" 800-X           | 22.5   | FED.               | 12S4        | 1 3/8                 | 1180                           | 11100                        |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 29.0   | WIN.               | WAA12R      | 1 3/8                 | 1320                           | 10100                        |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 30.0   | REM.               | RP12        | 1 3/8                 | 1345                           | 11200                        |
| REMINGTON                          | 209P | "HI-SKOR" 800-X           | 27.0   | FED.               | 12S4        | 1 3/8                 | 1280                           | 11100                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 26.0   | WIN.               | WAA12R      | 1 3/8                 | 1275                           | 11000                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 26.0   | REM.               | SP12        | 1 3/8                 | 1270                           | 11100                        |
| WINCHESTER                         | 209  | "HI-SKOR" 800-X           | 23.5   | FED.               | 12S4        | 1 3/8                 | 1200                           | 11100                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 12 GAUGE FIELD RELOADING DATA (Cont'd)

| PRIMER<br>MFR.                                 | NO.     | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|---------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: WINCHESTER 2 3/4" AA</b>             |         |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A    | SR4756                    | 27.0   | WIN.               | WAA12R      | 1 3/8                 | 1185                           | 10900                        |
| FEDERAL  | 209A    | SR4756                    | 27.5   | REM.               | SP12        | 1 3/8                 | 1210                           | 11200                        |
| REMINGTON                                      | 209P    | SR4756                    | 32.0   | WIN.               | WAA12R      | 1 3/8                 | 1290                           | 10600                        |
| REMINGTON                                      | 209P    | SR4756                    | 31.0   | REM.               | RP12        | 1 3/8                 | 1265                           | 10900                        |
| WINCHESTER                                     | 209     | SR4756                    | 30.0   | WIN.               | WAA12R      | 1 3/8                 | 1265                           | 11200                        |
| WINCHESTER                                     | 209     | SR4756                    | 28.5   | REM.               | SP12        | 1 3/8                 | 1230                           | 11000                        |
| <b>SHELL: WINCHESTER 3" AA PLASTIC BASEWAD</b> |         |                           |        |                    |             |                       |                                |                              |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 28.0   | WIN.               | WAA12       | 1 5/8                 | 1210                           | 10800                        |
| FEDERAL  | 209A    | "HI-SKOR" 800-X           | 28.5   | REM.               | RXP12       | 1 5/8                 | 1220                           | 11000                        |
| REMINGTON                                      | 209PSTS | "HI-SKOR" 800-X           | 30.0   | WIN.               | WAA12       | 1 5/8                 | 1250                           | 10900                        |
| REMINGTON                                      | 209PSTS | "HI-SKOR" 800-X           | 31.5   | REM.               | RXP12       | 1 5/8                 | 1265                           | 11000                        |
| WINCHESTER                                     | 209     | "HI-SKOR" 800-X           | 30.5   | WIN.               | WAA12       | 1 5/8                 | 1260                           | 11000                        |
| WINCHESTER                                     | 209     | "HI-SKOR" 800-X           | 30.5   | REM.               | RXP12       | 1 5/8                 | 1255                           | 11000                        |
| FEDERAL  | 209A    | SR4756                    | 31.0   | WIN.               | WAA12F114   | 1 5/8                 | 1180                           | 10800                        |
| FEDERAL  | 209A    | SR4756                    | 33.0   | REM.               | SP12        | 1 5/8                 | 1225                           | 10900                        |
| REMINGTON                                      | 209PSTS | SR4756                    | 37.5   | 2IN.               | WAA12R      | 1 5/8                 | 1290                           | 11000                        |
| REMINGTON                                      | 209PSTS | SR4756                    | 35.5   | REM.               | RP12        | 1 5/8                 | 1265                           | 10900                        |
| WINCHESTER                                     | 209     | SR4756                    | 38.5   | WIN.               | WAA12R      | 1 5/8                 | 1295                           | 10900                        |
| WINCHESTER                                     | 209     | SR4756                    | 37.5   | REM.               | RP12        | 1 5/8                 | 1290                           | 11000                        |

## 16 GAUGE FIELD RELOADING DATA

| PRIMER<br>MFR.                    | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|-----------------------------------|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" GAME</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL                           | 209A | "HI-SKOR" 700-X           | 15.5   | WIN.               | WAA16       | 1                     | 1175                           | 11000                        |
| REMINGTON                         | 209P | "HI-SKOR" 700-X           | 16.5   | WIN.               | WAA16       | 1                     | 1210                           | 11200                        |
| WINCHESTER                        | 209  | "HI-SKOR" 700-X           | 16.0   | WIN.               | WAA16       | 1                     | 1195                           | 11200                        |
| FEDERAL                           | 209A | PB                        | 21.5   | WIN.               | WAA16       | 1                     | 1280                           | 11000                        |
| REMINGTON                         | 209P | PB                        | 25.0   | REM.               | SP16        | 1                     | 1360                           | 11200                        |
| WINCHESTER                        | 209  | PB                        | 23.5   | WIN.               | WAA16       | 1                     | 1330                           | 11200                        |
| FEDERAL                           | 209A | SR7625                    | 24.5   | WIN.               | WAA16       | 1                     | 1340                           | 11000                        |
| REMINGTON                         | 209P | SR7625                    | 26.5   | REM.               | SP16        | 1                     | 1375                           | 10400                        |
| WINCHESTER                        | 209  | SR7625                    | 25.0   | WIN.               | WAA16       | 1                     | 1330                           | 9900                         |
| FEDERAL                           | 209A | "HI-SKOR" 800-X           | 24.0   | REM.               | SP16        | 1                     | 1385                           | 10400                        |
| REMINGTON                         | 209P | "HI-SKOR" 800-X           | 25.0   | REM.               | SP16        | 1                     | 1350                           | 8300                         |
| WINCHESTER                        | 209  | "HI-SKOR" 800-X           | 24.5   | WIN.               | WAA16       | 1                     | 1390                           | 10200                        |
| FEDERAL                           | 209A | SR4756                    | 25.0   | WIN.               | WAA16       | 1                     | 1240                           | 8500                         |
| REMINGTON                         | 209P | SR4756                    | 27.0   | REM.               | SP16        | 1                     | 1210                           | 6400                         |
| WINCHESTER                        | 209  | SR4756                    | 25.0   | WIN.               | WAA16       | 1                     | 1210                           | 7200                         |
| FEDERAL                           | 209A | PB                        | 19.0   | REM.               | SP16        | 1 1/8                 | 1145                           | 10800                        |
| REMINGTON                         | 209P | PB                        | 21.0   | REM.               | SP16        | 1 1/8                 | 1205                           | 10500                        |
| WINCHESTER                        | 209  | PB                        | 20.5   | REM.               | SP16        | 1 1/8                 | 1195                           | 11000                        |
| FEDERAL                           | 209A | SR7625                    | 22.0   | REM.               | SP16        | 1 1/8                 | 1220                           | 11000                        |
| REMINGTON                         | 209P | SR7625                    | 23.0   | REM.               | SP16        | 1 1/8                 | 1200                           | 9000                         |
| WINCHESTER                        | 209  | SR7625                    | 23.0   | REM.               | SP16        | 1 1/8                 | 1240                           | 10800                        |
| FEDERAL                           | 209A | "HI-SKOR" 800-X           | 22.5   | REM.               | SP16        | 1 1/8                 | 1285                           | 11000                        |
| REMINGTON                         | 209P | "HI-SKOR" 800-X           | 24.5   | REM.               | SP16        | 1 1/8                 | 1310                           | 10100                        |
| WINCHESTER                        | 209  | "HI-SKOR" 800-X           | 22.5   | REM.               | SP16        | 1 1/8                 | 1285                           | 10800                        |
| FEDERAL                           | 209A | SR4756                    | 23.0   | REM.               | SP16        | 1 1/8                 | 1150                           | 8400                         |
| REMINGTON                         | 209P | SR4756                    | 23.0   | REM.               | SP16        | 1 1/8                 | 1045                           | 6200                         |
| WINCHESTER                        | 209  | SR4756                    | 23.0   | REM.               | SP16        | 1 1/8                 | 1120                           | 7700                         |

## 16 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.                              | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON 2 3/4" GAME (BLACK)</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL                                     | 209A | "HI-SKOR" 700-X           | 13.0   | WIN.               | WAA16       | 1                     | 1095                           | 11000                        |
| REMINGTON                                   | 209P | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA16       | 1                     | 1150                           | 11000                        |
| WINCHESTER                                  | 209  | "HI-SKOR" 700-X           | 13.5   | WIN.               | WAA16       | 1                     | 1120                           | 11200                        |
| FEDERAL                                     | 209A | PB                        | 17.5   | REM.               | SP16        | 1                     | 1180                           | 11200                        |
| REMINGTON                                   | 209P | PB                        | 20.0   | REM.               | SP16        | 1                     | 1240                           | 10700                        |
| WINCHESTER                                  | 209  | PB                        | 19.0   | WIN.               | WAA16       | 1                     | 1210                           | 11000                        |
| FEDERAL                                     | 209A | SR7625                    | 21.0   | REM.               | SP16        | 1                     | 1250                           | 11200                        |
| REMINGTON                                   | 209P | SR7625                    | 23.5   | REM.               | SP16        | 1                     | 1310                           | 11200                        |
| WINCHESTER                                  | 209  | SR7625                    | 22.5   | WIN.               | WAA16       | 1                     | 1285                           | 11200                        |
| FEDERAL                                     | 209A | "HI-SKOR" 800-X           | 20.5   | REM.               | SP16        | 1                     | 1295                           | 11200                        |
| REMINGTON                                   | 209P | "HI-SKOR" 800-X           | 24.0   | REM.               | SP16        | 1                     | 1390                           | 11100                        |
| WINCHESTER                                  | 209  | "HI-SKOR" 800-X           | 21.5   | WIN.               | WAA16       | 1                     | 1315                           | 11000                        |
| FEDERAL                                     | 209A | SR4756                    | 23.5   | REM.               | SP16        | 1                     | 1280                           | 11000                        |
| REMINGTON                                   | 209P | SR4756                    | 29.0   | REM.               | SP16        | 1                     | 1380                           | 10100                        |
| WINCHESTER                                  | 209  | SR4756                    | 22.0   | WIN.               | WAA16       | 1                     | 1160                           | 8200                         |
| FEDERAL                                     | 209A | PB                        | 16.5   | REM.               | SP16        | 1 1/8                 | 1090                           | 11000                        |
| REMINGTON                                   | 209P | PB                        | 18.5   | REM.               | SP16        | 1 1/8                 | 1140                           | 11000                        |
| WINCHESTER                                  | 209  | PB                        | 18.0   | REM.               | SP16        | 1 1/8                 | 1120                           | 11100                        |
| FEDERAL                                     | 209A | SR7625                    | 19.5   | REM.               | SP16        | 1 1/8                 | 1140                           | 11000                        |
| REMINGTON                                   | 209P | SR7625                    | 22.0   | REM.               | SP16        | 1 1/8                 | 1210                           | 11000                        |
| WINCHESTER                                  | 209  | SR7625                    | 21.0   | REM.               | SP16        | 1 1/8                 | 1180                           | 10900                        |
| FEDERAL                                     | 209A | "HI-SKOR" 800-X           | 19.0   | REM.               | SP16        | 1 1/8                 | 1195                           | 10800                        |
| REMINGTON                                   | 209P | "HI-SKOR" 800-X           | 21.0   | REM.               | SP16        | 1 1/8                 | 1240                           | 10800                        |
| WINCHESTER                                  | 209  | "HI-SKOR" 800-X           | 19.5   | REM.               | SP16        | 1 1/8                 | 1220                           | 10900                        |
| FEDERAL                                     | 209A | SR4756                    | 22.0   | REM.               | SP16        | 1 1/8                 | 1185                           | 10900                        |
| REMINGTON                                   | 209P | SR4756                    | 24.0   | REM.               | SP16        | 1 1/8                 | 1175                           | 9500                         |
| WINCHESTER                                  | 209  | SR4756                    | 23.5   | REM.               | SP16        | 1 1/8                 | 1220                           | 11000                        |
| <b>SHELL: WINCHESTER 2 3/4" X-PERT</b>      |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL                                     | 209A | "HI-SKOR" 700-X           | 12.5   | WIN.               | WAA16       | 1                     | 1085                           | 11000                        |
| REMINGTON                                   | 209P | "HI-SKOR" 700-X           | 14.5   | WIN.               | WAA16       | 1                     | 1145                           | 11000                        |
| WINCHESTER                                  | 209  | "HI-SKOR" 700-X           | 13.0   | WIN.               | WAA16       | 1                     | 1105                           | 11000                        |
| FEDERAL                                     | 209A | PB                        | 19.5   | WIN.               | WAA16       | 1                     | 1240                           | 11200                        |
| REMINGTON                                   | 209P | PB                        | 21.0   | REM.               | SP16        | 1                     | 1265                           | 10800                        |
| WINCHESTER                                  | 209  | PB                        | 19.0   | WIN.               | WAA16       | 1                     | 1220                           | 10900                        |
| FEDERAL                                     | 209A | SR7625                    | 20.5   | WIN.               | WAA16       | 1                     | 1230                           | 10900                        |
| REMINGTON                                   | 209P | SR7625                    | 23.0   | REM.               | SP16        | 1                     | 1290                           | 11200                        |
| WINCHESTER                                  | 209  | SR7625                    | 22.0   | WIN.               | WAA16       | 1                     | 1270                           | 11000                        |
| FEDERAL                                     | 209A | "HI-SKOR" 800-X           | 22.5   | WIN.               | WAA16       | 1                     | 1350                           | 10800                        |
| REMINGTON                                   | 209P | "HI-SKOR" 800-X           | 24.0   | REM.               | SP16        | 1                     | 1350                           | 9000                         |
| WINCHESTER                                  | 209  | "HI-SKOR" 800-X           | 23.0   | WIN.               | WAA16       | 1                     | 1360                           | 11200                        |
| FEDERAL                                     | 209A | SR4756                    | 22.5   | REM.               | SP16        | 1                     | 1245                           | 10900                        |
| REMINGTON                                   | 209P | SR4756                    | 27.0   | REM.               | SP16        | 1                     | 1335                           | 9900                         |
| WINCHESTER                                  | 209  | SR4756                    | 21.0   | WIN.               | WAA16       | 1                     | 1130                           | 7800                         |
| FEDERAL                                     | 209A | PB                        | 16.0   | REM.               | SP16        | 1 1/8                 | 1075                           | 11100                        |
| REMINGTON                                   | 209P | PB                        | 18.5   | REM.               | SP16        | 1 1/8                 | 1145                           | 11100                        |
| WINCHESTER                                  | 209  | PB                        | 17.0   | REM.               | SP16        | 1 1/8                 | 1100                           | 10800                        |
| FEDERAL                                     | 209A | SR7625                    | 18.0   | REM.               | SP16        | 1 1/8                 | 1100                           | 10800                        |
| REMINGTON                                   | 209P | SR7625                    | 19.5   | REM.               | SP16        | 1 1/8                 | 1160                           | 10900                        |
| WINCHESTER                                  | 209  | SR7625                    | 19.0   | REM.               | SP16        | 1 1/8                 | 1140                           | 10900                        |
| FEDERAL                                     | 209A | "HI-SKOR" 800-X           | 19.0   | REM.               | SP16        | 1 1/8                 | 1180                           | 10900                        |
| REMINGTON                                   | 209P | "HI-SKOR" 800-X           | 22.0   | REM.               | SP16        | 1 1/8                 | 1245                           | 10100                        |
| WINCHESTER                                  | 209  | "HI-SKOR" 800-X           | 20.0   | REM.               | SP16        | 1 1/8                 | 1210                           | 11000                        |
| FEDERAL                                     | 209A | SR4756                    | 20.5   | REM.               | SP16        | 1 1/8                 | 1150                           | 10800                        |
| REMINGTON                                   | 209P | SR4756                    | 23.0   | REM.               | SP16        | 1 1/8                 | 1150                           | 8900                         |
| WINCHESTER                                  | 209  | SR4756                    | 22.5   | REM.               | SP16        | 1 1/8                 | 1200                           | 11100                        |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## 20 GAUGE FIELD RELOADING DATA

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| PRIMER<br>MFR.                                      | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|---|------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING</b> |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | SR7625                    | 19.0   | WIN.               | WAA20F1     | 1                     | 1205                           | 11700                        |
| REMINGTON   | 209P | SR7625                    | 21.0   | REM.               | SP20        | 1                     | 1240                           | 11400                        |
| WINCHESTER  | 209  | SR7625                    | 20.5   | WIN.               | WAA20F1     | 1                     | 1235                           | 11600                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.0   | FED.               | 20S1        | 1                     | 1255                           | 11500                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 18.5   | REM.               | SP20        | 1                     | 1245                           | 11600                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.0   | WIN.               | WAA20F1     | 1                     | 1270                           | 11800                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 20.0   | FED.               | 20S1        | 1                     | 1275                           | 11100                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 21.0   | REM.               | SP20        | 1                     | 1320                           | 11400                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 21.0   | WIN.               | WAA20F1     | 1                     | 1330                           | 11600                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.5   | FED.               | 20S1        | 1                     | 1270                           | 11600                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 20.0   | REM.               | SP20        | 1                     | 1290                           | 11700                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.5   | WIN.               | WAA20F1     | 1                     | 1285                           | 11500                        |
| <b>SHELL: FEDERAL 3" MAGNUM PAPER BASE WAD</b>      |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | PB                        | 17.0   | FED.               | 20S1        | 1 1/8                 | 1080                           | 11300                        |
| FEDERAL   | 209A | PB                        | 18.0   | REM.               | RXP20       | 1 1/8                 | 1130                           | 11500                        |
| FEDERAL   | 209A | PB                        | 17.5   | 2IN.               | WAA20       | 1 1/8                 | 1110                           | 11600                        |
| REMINGTON   | 209P | PB                        | 19.0   | FED.               | 2051        | 1 1/8                 | 1140                           | 11600                        |
| REMINGTON   | 209P | PB                        | 20.0   | REM.               | RXP20       | 1 1/8                 | 1175                           | 11400                        |
| WINCHESTER  | 209  | PB                        | 19.0   | FED.               | 20S1        | 1 1/8                 | 1160                           | 11700                        |
| WINCHESTER  | 209  | PB                        | 18.0   | REM.               | RXP20       | 1 1/8                 | 1120                           | 11400                        |
| WINCHESTER  | 209  | PB                        | 17.0   | WIN.               | WAA20       | 1 1/8                 | 1090                           | 11400                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.0   | FED.               | 20S1        | 1 1/8                 | 1200                           | 11600                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.5   | REM.               | RXP20       | 1 1/8                 | 1215                           | 11500                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 19.5   | WIN.               | WAA20       | 1 1/8                 | 1210                           | 11500                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 22.0   | FED.               | 20S1        | 1 1/8                 | 1275                           | 11700                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 21.0   | REM.               | SP20        | 1 1/8                 | 1255                           | 11600                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 22.0   | WIN.               | WAA20       | 1 1/8                 | 1275                           | 11400                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.5   | FED.               | 20S1        | 1 1/8                 | 1210                           | 11600                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.5   | REM.               | SP20        | 1 1/8                 | 1210                           | 11500                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 19.0   | WIN.               | WAA20       | 1 1/8                 | 1200                           | 11400                        |
| FEDERAL   | 209A | SR4756                    | 21.0   | FED.               | 20S1        | 1 1/8                 | 1165                           | 11400                        |
| FEDERAL   | 209A | SR4756                    | 21.5   | REM.               | SP20        | 1 1/8                 | 1190                           | 11700                        |
| FEDERAL   | 209A | SR4756                    | 20.5   | WIN.               | WAA20       | 1 1/8                 | 1160                           | 11700                        |
| REMINGTON   | 209P | SR4756                    | 24.0   | FED.               | 20S1        | 1 1/8                 | 1235                           | 11200                        |
| REMINGTON   | 209P | SR4756                    | 24.5   | REM.               | SP20        | 1 1/8                 | 1250                           | 11200                        |
| REMINGTON   | 209P | SR4756                    | 24.0   | WIN.               | WAA20       | 1 1/8                 | 1240                           | 11000                        |
| WINCHESTER  | 209  | SR4756                    | 21.5   | FED.               | 20S1        | 1 1/8                 | 1185                           | 11300                        |
| WINCHESTER  | 209  | SR4756                    | 23.0   | REM.               | SP20        | 1 1/8                 | 1215                           | 11500                        |
| WINCHESTER  | 209  | SR4756                    | 22.5   | WIN.               | WAA20       | 1 1/8                 | 1215                           | 11700                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 17.5   | REM.               | SP20        | 1 1/4                 | 1095                           | 11500                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 18.0   | WIN.               | WAA20F1     | 1 1/4                 | 1115                           | 11700                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 19.5   | REM.               | SP20        | 1 1/4                 | 1155                           | 11400                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 20.0   | WIN.               | WAA20F1     | 1 1/4                 | 1170                           | 11000                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 18.0   | REM.               | SP20        | 1 1/4                 | 1105                           | 11400                        |
| WINCHESTER  | 209  | "HI-SKOR" 800-X           | 18.5   | WIN.               | WAA20F1     | 1 1/4                 | 1130                           | 11400                        |
| <b>SHELL: REMINGTON 2 3/4" PREMIER (RTL)</b>        |      |                           |        |                    |             |                       |                                |                              |
| FEDERAL   | 209A | SR7625                    | 14.5   | WIN.               | WAA20F1     | 1                     | 1060                           | 11400                        |
| FEDERAL   | 209A | SR7625                    | 14.5   | REM.               | SP20        | 1                     | 1055                           | 11500                        |
| REMINGTON   | 209P | SR7625                    | 16.5   | WIN.               | WAA20F1     | 1                     | 1125                           | 11800                        |
| REMINGTON   | 209P | SR7625                    | 16.0   | REM.               | SP20        | 1                     | 1105                           | 11600                        |
| WINCHESTER  | 209  | SR7626                    | 16.0   | WIN.               | WAA20F1     | 1                     | 1110                           | 11800                        |
| WINCHESTER  | 209  | SR7625                    | 16.0   | REM.               | SP20        | 1                     | 1105                           | 11400                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 15.0   | FED.               | 20S1        | 1                     | 1115                           | 11400                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 16.0   | REM.               | SP20        | 1                     | 1170                           | 11800                        |
| FEDERAL   | 209A | "HI-SKOR" 800-X           | 15.5   | WIN.               | WAA20F1     | 1                     | 1150                           | 11800                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 16.0   | FED.               | 20S1        | 1                     | 1160                           | 11200                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 17.5   | REM.               | SP20        | 1                     | 1220                           | 11900                        |
| REMINGTON   | 209P | "HI-SKOR" 800-X           | 17.0   | WIN.               | WAA20F1     | 1                     | 1205                           | 11700                        |

## 20 GAUGE FIELD RELOADING DATA (Cont'd)

| PRIMER<br>MFR.                               | NO.  | IMR POWDER<br>DESIGNATION | GRAINS | MFR. | WAD COLUMN<br>DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|------|---------------------------|--------|------|---------------------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON 2 3/4" PREMIER (RTL)</b> |      |                           |        |      |                           |                       |                                |                              |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.0   | FED. | 20S1                      | 1                     | 1160                           | 11700                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 17.0   | REM. | RXP20                     | 1                     | 1200                           | 11800                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.5   | WIN. | WAA20F1                   | 1                     | 1185                           | 11800                        |
| FEDERAL                                      | 209A | SR4756                    | 17.0   | REM. | SP20                      | 1                     | 1125                           | 11800                        |
| REMINGTON                                    | 209P | SR4756                    | 19.5   | REM. | SP20                      | 1                     | 1185                           | 11500                        |
| WINCHESTER                                   | 209  | SR4756                    | 18.5   | REM. | SP20                      | 1                     | 1160                           | 11700                        |
| <b>SHELL: REMINGTON 3" UNIBODY</b>           |      |                           |        |      |                           |                       |                                |                              |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 15.5   | FED. | 20C1                      | 1 1/8                 | 1095                           | 11600                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 15.5   | REM. | SP20                      | 1 1/8                 | 1105                           | 11800                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 15.5   | WIN. | WAA20                     | 1 1/8                 | 1095                           | 11600                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 17.0   | FED. | 20C1                      | 1 1/8                 | 1145                           | 11600                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 17.0   | REM. | SP20                      | 1 1/8                 | 1150                           | 11700                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 16.0   | WIN. | WAA20                     | 1 1/8                 | 1110                           | 11100                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.5   | FED. | 20C1                      | 1 1/8                 | 1120                           | 11500                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.0   | REM. | SP20                      | 1 1/8                 | 1100                           | 11600                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.0   | WIN. | WAA20                     | 1 1/8                 | 1110                           | 11600                        |
| <b>SHELL: REMINGTON 3" UNIBODY</b>           |      |                           |        |      |                           |                       |                                |                              |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 14.5   | REM. | SP20                      | 1 1/4                 | 1020                           | 11700                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 16.0   | REM. | SP20                      | 1 1/4                 | 1070                           | 11700                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 15.0   | REM. | SP20                      | 1 1/4                 | 1035                           | 11600                        |
| <b>SHELL: WINCHESTER 2 3/4" SUPER-X</b>      |      |                           |        |      |                           |                       |                                |                              |
| FEDERAL                                      | 209A | SR7625                    | 14.0   | WIN. | WAA20F1                   | 1                     | 1040                           | 11400                        |
| FEDERAL                                      | 209A | SR7625                    | 14.5   | REM. | RXP20                     | 1                     | 1060                           | 11600                        |
| REMINGTON                                    | 209P | SR7625                    | 15.0   | WIN. | WAA20F1                   | 1                     | 1065                           | 10900                        |
| REMINGTON                                    | 209P | SR7625                    | 15.0   | REM. | RXP20                     | 1                     | 1050                           | 9800                         |
| WINCHESTER                                   | 209  | SR7625                    | 14.5   | WIN. | WAA20F1                   | 1                     | 1060                           | 11400                        |
| WINCHESTER                                   | 209  | SR7625                    | 15.0   | REM. | RXP20                     | 1                     | 1065                           | 11300                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 14.5   | WIN. | WAA20F1                   | 1                     | 1130                           | 11800                        |
| FEDERAL                                      | 209A | "HI-SKOR" 800-X           | 15.0   | REM. | RXP20                     | 1                     | 1135                           | 11700                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 17.0   | WIN. | WAA20F1                   | 1                     | 1200                           | 11500                        |
| REMINGTON                                    | 209P | "HI-SKOR" 800-X           | 17.0   | REM. | RXP20                     | 1                     | 1185                           | 10800                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 15.5   | WIN. | WAA20F1                   | 1                     | 1150                           | 11500                        |
| WINCHESTER                                   | 209  | "HI-SKOR" 800-X           | 16.0   | REM. | RXP20                     | 1                     | 1160                           | 11600                        |
| WINCHESTER                                   | 209  | SR4756                    | 17.0   | WIN. | WAA20F1                   | 1                     | 1105                           | 11100                        |
| WINCHESTER                                   | 209  | SR4756                    | 17.0   | REM. | RXP20                     | 1                     | 1100                           | 10700                        |

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**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

## .410 BORE FIELD RELOADING DATA

| PRIMER<br>MFR.   | NO.     | IMR POWDER<br>DESIGNATION | GRAINS | WAD COLUMN<br>MFR. | DESIGNATION | LEAD<br>SHOT<br>(OZ.) | MUZZLE<br>VELOCITY<br>(FT/SEC) | CHAMBER<br>PRESSURE<br>(PSI) |
|--|---------|---------------------------|--------|--------------------|-------------|-----------------------|--------------------------------|------------------------------|
| <b>SHELL: REMINGTON 3" SP "EXPRESS"</b>                  |         |                           |        |                    |             |                       |                                |                              |
| REMINGTON  | 209PSTS | IMR4198                   | 26.5   | REM.               | SP410       | 1/2                   | 1455                           | 11100                        |
| FEDERAL  | 209A    | IMR4227                   | 19.0   | REM.               | SP410       | 11/16                 | 1175                           | 13300                        |
| REMINGTON  | 209P    | IMR4227                   | 19.0   | REM.               | SP410       | 11/16                 | 1115                           | 10900                        |
| WINCHESTER   | 209     | IMR4227                   | 19.0   | REM.               | SP410       | 11/16                 | 1120                           | 11600                        |
| <b>SHELL: WINCHESTER 3" COMPRESSION-FORMED "SUPER-X"</b> |         |                           |        |                    |             |                       |                                |                              |
| WINCHESTER   | 209     | IMR4198                   | 22.0   | WIN.               | WAA41       | 1/2                   | 1260                           | 9100                         |
| FEDERAL  | 209A    | IMR4227                   | 16.5   | WIN.               | WAA41       | 5/8                   | 1055                           | 10700                        |
| WINCHESTER   | 209     | IMR4227                   | 16.5   | WIN.               | WAA41       | 5/8                   | 1015                           | 9200                         |

**NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

## ABBREVIATIONS AND MANUFACTURERS' TRADEMARKS

### FEDERAL

Shotgun Shells: Hi-Power\*, Gold Medal\*, Paper Champion\*.

### Abbreviations Used

|    | Trade Names       |
|----|-------------------|
| FC | Fiber Cushion Wad |
| SC | Shot Cup          |

\*Registered trademarks of Federal Cartridge Co., Minneapolis, MN

### REMINGTON\*

Shotgun Shells: "Express," "RXP," "PREMIER."

\*Registered trademarks of Remington Arms Co., Maddison, NC

### WINCHESTER\*

Shotgun Shells: Double A\*, Super-X\*, Upland\*.

\*Registered trademarks of Olin Corp., East Alton, IL

### BALLISTIC PRODUCTS, INC.

20015 75 Ave. No.  
Corcoran, MN 55340

### Abbreviations Used

|      | Trade Names  |
|------|--|
| BP   | Ballistic Products   |
| BPGS | Ballistic Products   |
| BPSB | Gas Seal Wad<br>Ballistic Products<br>Shot Buffer Material |

**DANGER!** Smokeless powder is an extremely flammable solid and can be dangerous if improperly handled. It should not be exposed to heat, sparks, or open flame. In accordance with good handloading practices, all reloading components including smokeless powder should be kept out of reach of children at all times.

## REFERENCE TABLES POWDER TABLE

| GRAINS<br>PER LOAD | LOADS<br>PER POUND | GRAINS<br>PER LOAD | LOADS<br>PER POUND | GRAINS<br>PER LOAD | LOADS<br>PER POUND |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 12                 | 583                | 23                 | 304                | 34                 | 205                |
| 13                 | 538                | 24                 | 291                | 35                 | 200                |
| 14                 | 500                | 25                 | 280                | 36                 | 194                |
| 15                 | 466                | 26                 | 269                | 37                 | 189                |
| 16                 | 437                | 27                 | 259                | 38                 | 184                |
| 17                 | 411                | 28                 | 250                | 39                 | 179                |
| 18                 | 388                | 29                 | 241                | 40                 | 175                |
| 19                 | 368                | 30                 | 233                | 41                 | 170                |
| 20                 | 350                | 31                 | 255                | 42                 | 166                |
| 21                 | 333                | 32                 | 218                | 43                 | 162                |
| 22                 | 318                | 33                 | 212                |                    |                    |

## CHILLED SHOT TABLE

| Weight Ounces | 1/2      | 5/8 | 3/4 | 7/8 | 1   | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 1 3/4 | 1 7/8 | 2    | 2 1/8 |
|---------------|----------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|------|-------|
| Weight Grains | 219      | 273 | 328 | 383 | 438 | 492   | 547   | 602   | 656   | 711   | 766   | 820   | 875  | 930   |
| Loads per Lb. | 32       | 26  | 21  | 18  | 16  | 14    | 13    | 12    | 11    | 10    | 9     | 9     | 8    | 8     |
| Size          | Dia. In. |     |     |     |     |       |       |       |       |       |       |       |      |       |
| BB            | .18      | 25  | 31  | 38  | 44  | 50    | 56    | 63    | 69    | 75    | 81    | 88    | 94   | 100   |
| 2             | .15      | 44  | 55  | 66  | 77  | 88    | 99    | 110   | 121   | 132   | 143   | 154   | 165  | 176   |
| 4             | .13      | 68  | 85  | 102 | 119 | 136   | 153   | 170   | 187   | 204   | 221   | 238   | 255  | 171   |
| 2             | .12      | 86  | 108 | 129 | 151 | 172   | 194   | 215   | 137   | 258   | 280   | 301   | 323  | 344   |
| 6             | .11      | 112 | 139 | 167 | 195 | 223   | 251   | 279   | 307   | 335   | 362   | 390   | 418  | 446   |
| 7             | .10      | 150 | 187 | 224 | 262 | 299   | 336   | 374   | 411   | 449   | 486   | 523   | 561  | 598   |
| 7 1/2         | .095     | 173 | 216 | 259 | 302 | 345   | 388   | 431   | 474   | 518   | 564   | 604   | 647  | 690   |
| 8             | .085     | 240 | 300 | 360 | 420 | 480   | 540   | 600   | 660   | 20    | 780   | 840   | 900  | 960   |
| 9             | .08      | 293 | 366 | 439 | 512 | 585   | 658   | 731   | 804   | 878   | 951   | 1024  | 1097 | 1170  |

# RIFLE

**IMPORTANT:** Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

## KEY TO ABBREVIATIONS FOR RIFLE DATA

|        |                          |       |                                |      |                        |
|--------|--------------------------|-------|--------------------------------|------|------------------------|
| BP     | Bronze Point             | IMR   | Improved Military Rifle        | PTD  | Pointed                |
| BR     | Bench Rest               | M     | Magnum                         | RN   | Round Nose             |
| BT     | Boat Tail                | PL    | "Power-Lokt"                   | SP   | Soft Point             |
| C      | Compressed Charge        | PR    | Primer                         | SPCL | Solf Point "Core-Lokt" |
| C.O.L. | Cartridge Overall Length | PSP   | Pointed Soft Point             |      |                        |
| HP     | Hollow Point             | PSPCL | Pointed Soft Point "Core-Lokt" |      |                        |

| IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) |
|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|
|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|

### .17 REMINGTON

REM. CASE; REM. 7 1/2 PR  
REM. 25 GR. PL HP

|                                      |       |      |       |
|--------------------------------------|-------|------|-------|
| .1722" DIA.; 24" BBL.; 2.100" C.O.L. |       |      |       |
| IMR 3031                             | 22.5  | 4015 | 51700 |
| IMR 4064                             | 24.0C | 4005 | 50700 |
| IMR 4895                             | 23.5  | 3995 | 51400 |
| IMR 4350                             | 24.5C | 3470 | 39000 |
| IMR 4831                             | 25.0C | 3330 | 33500 |

### .22 HORNET

REM. CASE; REM. 6 1/2 PR  
HORNADY 45 GR.

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 25" BBL.; 1.720" C.O.L. |       |      |       |
| SR 4759                             | 8.0C  | 2000 | 24700 |
| IMR 4227                            | 11.5C | 2515 | 38900 |
| IMR 4198                            | 10.5C | 2010 | 20100 |
| IMR 3031                            | 11.0C | 1675 | 14100 |
| IMR 4064                            | 11.0C | 1545 | 13100 |
| IMR 4895                            | 12.0C | 1735 | 15500 |
| IMR 4320                            | 12.0C | 1650 | 14900 |
| IMR 4350                            | 11.5C | 1280 | 11700 |
| IMR 4831                            | 11.5C | 1085 | 10700 |

### .220 SWIFT

REM. CASE; REM. 9 1/2 PR  
SIERRA 50 GR. SPITZER

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 24" BBL.; 2.680" C.O.L. |       |      |       |
| SR 4759                             | 25.5  | 3345 | 53000 |
| IMR 4227                            | 24.5  | 3295 | 52500 |
| IMR 4198                            | 32.0  | 3685 | 53000 |
| IMR 3031                            | 37.5  | 3845 | 51400 |
| IMR 4064                            | 39.5  | 3895 | 52500 |
| IMR 4895                            | 38.5  | 3805 | 52100 |
| IMR 4320                            | 40.0  | 3790 | 53000 |
| IMR 4350                            | 43.5C | 3740 | 49100 |
| IMR 4831                            | 43.5C | 3560 | 41700 |

### .220 SWIFT

REM. CASE; REM. 9 1/2 PR  
HORNADY 60 GR. SPIRE PT

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 24" BBL.; 2.680" C.O.L. |       |      |       |
| SR 4759                             | 23.5  | 2980 | 52500 |
| IMR 4227                            | 23.5  | 3000 | 53000 |
| IMR 4198                            | 28.5  | 3265 | 52200 |
| IMR 3031                            | 34.0  | 3470 | 52300 |
| IMR 4064                            | 35.5  | 3505 | 52300 |
| IMR 4895                            | 34.5  | 3470 | 53000 |
| IMR 4320                            | 36.5  | 3480 | 52800 |
| IMR 4350                            | 39.5  | 3500 | 53000 |
| IMR 4831                            | 42.5C | 3555 | 53000 |

### .222 REMINGTON

REM. CASE; REM. 7 1/2 PR  
HORNADY 45 GR.

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 25" BBL.; 2.130" C.O.L. |       |      |       |
| SR 4759                             | 16.5  | 2925 | 44000 |
| IMR 4227                            | 17.5  | 3055 | 44000 |
| IMR 4198                            | 21.5  | 3315 | 45000 |
| IMR 3031                            | 24.0C | 3065 | 33100 |
| IMR 4064                            | 24.0C | 2910 | 31700 |
| IMR 4895                            | 25.5C | 3165 | 39500 |
| IMR 4320                            | 26.0C | 3115 | 39700 |
| IMR 4350                            | 25.0C | 2545 | 24700 |
| IMR 4831                            | 25.0C | 2375 | 22300 |

### .222 REMINGTON

REM. CASE; REM. 7 1/2 PR  
HORNADY 50 GR. SPIRE PT. SX

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 25" BBL.; 2.130" C.O.L. |       |      |       |
| SR 4759                             | 16.5  | 2845 | 45000 |
| IMR 4227                            | 17.5  | 2965 | 45500 |
| IMR 4198                            | 20.5  | 3130 | 44500 |
| IMR 3031                            | 23.5C | 3045 | 38400 |
| IMR 4064                            | 23.5C | 2875 | 34200 |
| IMR 4895                            | 25.0C | 3085 | 43100 |
| IMR 4320                            | 26.0C | 3065 | 40800 |
| IMR 4350                            | 24.5C | 2495 | 23400 |
| IMR 4831                            | 24.5C | 2320 | 21500 |

### .222 REMINGTON

REM. CASE; REM. 7 1/2 PR  
REM. 55 GR. PTD. SP

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 24" BBL.; 2.350" C.O.L. |       |      |       |
| SR 4759                             | 22.0  | 3100 | 53000 |
| IMR 4227                            | 21.5  | 3030 | 42300 |
| IMR 4198                            | 27.5  | 3375 | 52200 |
| IMR 3031                            | 34.0  | 3640 | 53000 |
| IMR 4064                            | 35.5  | 3625 | 52500 |
| IMR 4895                            | 35.5  | 3645 | 53000 |
| IMR 4320                            | 36.0  | 3540 | 51500 |
| IMR 4350                            | 39.5C | 3495 | 47700 |
| IMR 4831                            | 39.5C | 3320 | 42500 |

### .22-250 REMINGTON

REM. CASE; REM. 9 1/2 PR  
REM. 55 GR. PTD. SP

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .224" DIA.; 24" BBL.; 2.350" C.O.L. |       |      |       |
| SR 4759                             | 22.0  | 3100 | 53000 |
| IMR 4227                            | 21.5  | 3030 | 42300 |
| IMR 4198                            | 27.5  | 3375 | 52200 |
| IMR 3031                            | 34.0  | 3640 | 53000 |
| IMR 4064                            | 35.5  | 3625 | 52500 |
| IMR 4895                            | 35.5  | 3645 | 53000 |
| IMR 4320                            | 36.0  | 3540 | 51500 |
| IMR 4350                            | 39.5C | 3495 | 47700 |
| IMR 4831                            | 39.5C | 3320 | 42500 |

### 6 MM REMINGTON

REM. CASE; REM. 9 1/2 PR  
REM. 80 GR. PTD. SP

|                                     |      |      |       |
|-------------------------------------|------|------|-------|
| .243" DIA.; 22" BBL.; 2.790" C.O.L. |      |      |       |
| SR 4759                             | 24.5 | 2640 | 50600 |
| IMR 4227                            | 24.5 | 2650 | 50200 |
| IMR 4198                            | 31.5 | 3015 | 51500 |
| IMR 3031                            | 39.5 | 3275 | 52000 |
| IMR 4064                            | 41.0 | 3295 | 52000 |
| IMR 4895                            | 36.5 | 3105 | 51300 |
| IMR 4320                            | 40.0 | 3180 | 52000 |
| IMR 4350                            | 46.0 | 3310 | 52000 |
| IMR 4831                            | 48.0 | 3300 | 51900 |

### 6 MM REMINGTON

REM. CASE; REM. 9 1/2 PR  
REM. 100 GR. PTD. SPCL

|                                     |       |      |       |
|-------------------------------------|-------|------|-------|
| .243" DIA.; 22" BBL.; 2.735" C.O.L. |       |      |       |
| SR 4759                             | 23.5  | 2400 | 51600 |
| IMR 4227                            | 23.5  | 2395 | 51500 |
| IMR 4198                            | 29.0  | 2660 | 52000 |
| IMR 3031                            | 36.5  | 2925 | 52000 |
| IMR 4064                            | 38.0  | 2945 | 51000 |
| IMR 4895                            | 35.5  | 2880 | 51600 |
| IMR 4320                            | 37.0  | 2875 | 51300 |
| IMR 4350                            | 43.5  | 3055 | 52000 |
| IMR 4831                            | 45.5  | 3095 | 52000 |
| IMR 7828                            | 48.0C | 3040 | 48000 |

### .25-06 REMINGTON

REM. CASE; REM. 9 1/2 PR  
SIERRA 120 GR. HOLLOW PT. BT

|                                     |      |      |       |
|-------------------------------------|------|------|-------|
| .257" DIA.; 24" BBL.; 3.100" C.O.L. |      |      |       |
| SR 4759                             | 27.5 | 2315 | 52000 |
| IMR 4227                            | 28.0 | 2370 | 53000 |
| IMR 4198                            | 34.0 | 2615 | 51400 |
| IMR 3031                            | 40.5 | 2800 | 52000 |
| IMR 4064                            | 43.5 | 2885 | 52300 |
| IMR 4895                            | 40.5 | 2805 | 52600 |
| IMR 4320                            | 43.0 | 2850 | 51700 |
| IMR 4350                            | 48.5 | 2950 | 51500 |
| IMR 4831                            | 50.0 | 2945 | 52000 |
| IMR 7828                            | 55.0 | 3105 | 52800 |

*Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.*

## RIFLE

| IMR<br>POWDER   | CHARGE<br>(grains)                  | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                                      | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) |
|---|-------------------------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|
| <b>.257 ROBERTS</b>                                     |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>SIERRA 100 GR. SPITZER      |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR<br>REM. 150 GR. SPCL      |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>REM. 150 GR. PTD. SPCL       |                    |                      |                         | REM. CASE; WIN. 8 1/2-120 PR<br>SPEER 160 GR. SPITZER    |                    |                      |                         |
| .257" DIA.; BBL.; 2.775" C.O.L.                         |                                     |                      |                         | .277" DIA.; 24" BBL.; 3.250" C.O.L.                |                    |                      |                         | .284" DIA.; 24" BBL.; 3.325" C.O.L.                      |                    |                      |                         | .284" DIA.; 24" BBL.; 2.800" C.O.L.                      |                    |                      |                         |
| IMR 4227 23.5 2930 44000                                | SR 4759                             | 26.0 2045            | 51600                   | IMR 4064 39.5 2945 44800                           | IMR 3031 42.0 2690 | 51800                |                         | IMR 4227 27.5 2115                                       | 49500              |                      |                         | SR 4759 27.5 2105  | 53500              |                      |                         |
| IMR 4895 36.5 2850 45000                                | IMR 4064 47.0 2770                  | 51800                |                         | IMR 4895 44.0 2715                                 | 52000              |                      |                         | IMR 4198 34.5 2375                                       | 49200              |                      |                         | IMR 4227 28.0 2170                                       | 52200              |                      |                         |
| IMR 4350 44.5 2930 44600                                | IMR 4895 44.0 2700                  | 51000                |                         | IMR 4320 44.5 2700                                 | 51000              |                      |                         | IMR 3031 45.5 2745                                       | 48800              |                      |                         | IMR 4198 34.5 2440                                       | 52500              |                      |                         |
| IMR 4831 46.5 2950 44300                                | IMR 4350 53.5 2920                  | 51800                |                         | IMR 4831 55.0 2920                                 | 51400              |                      |                         | IMR 4064 48.0 2810                                       | 50000              |                      |                         | IMR 3031 45.0 2660                                       | 52700              |                      |                         |
| <b>.257 ROBERTS</b>                                     |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>SIERRA 120 GR. HP BT        |                                     |                      |                         | IMR 7828 59.0C 2985                                | 51000              |                      |                         | IMR 4895 42.5 2635                                       | 49300              |                      |                         | IMR 4064 47.0 2760                                       | 53700              |                      |                         |
| .257" DIA.; 24" BBL.; 2.775" C.O.L.                     |                                     |                      |                         | IMR 4831 57.0 2930                                 | 50000              |                      |                         | IMR 4320 44.5 2655                                       | 50000              |                      |                         | IMR 4895 41.0 2584                                       | 53500              |                      |                         |
| IMR 4227 22.0 2180 44400                                | SR 4759                             | 23.5 2055            | 46000                   | IMR 4831 55.0 2895                                 | 50000              |                      |                         | IMR 4350 55.0 2895                                       | 50000              |                      |                         | IMR 4320 43.5 2635                                       | 53900              |                      |                         |
| IMR 4198 27.5 2440 45000                                | IMR 4227                            | 22.5 2080            | 44300                   | IMR 4831 57.0 2930                                 | 50000              |                      |                         | IMR 4350 52.0C 2720                                      | 47700              |                      |                         | IMR 4350 52.0C 2720                                      | 47700              |                      |                         |
| IMR 3031 33.0 2635 44200                                | IMR 4198                            | 29.0 2365            | 45100                   | IMR 7828 59.0C 2985                                | 51000              |                      |                         | IMR 4831 52.0C 2635                                      | 43800              |                      |                         | IMR 4831 52.0C 2635                                      | 43800              |                      |                         |
| IMR 4064 35.5 2695 44000                                | IMR 4320                            | 34.5 2615            | 45000                   | IMR 3031 38.0 2640                                 | 45500              |                      |                         | IMR 4831 57.0 2930                                       | 50000              |                      |                         |  |                    |                      |                         |
| IMR 4895 33.5 2615 45000                                | IMR 4350                            | 41.5 2780            | 45000                   | IMR 4064 41.0 2675                                 | 44900              |                      |                         | IMR 4831 57.0 2930                                       | 50000              |                      |                         |  |                    |                      |                         |
| IMR 4320 34.5 2615 44800                                | IMR 4831                            | 44.0 2810            | 45000                   | IMR 4895 36.5 2540                                 | 45300              |                      |                         | IMR 4831 57.0 2930                                       | 50000              |                      |                         |  |                    |                      |                         |
| IMR 4350 41.5 2780 45000                                | IMR 4320                            | 37.5 2540            | 46000                   | IMR 4320 47.0 2710                                 | 45500              |                      |                         | IMR 4831 57.0 2930                                       | 50000              |                      |                         |  |                    |                      |                         |
| IMR 4831 44.0 2810 43900                                | IMR 4350                            | 50.0C 2750           | 46000                   | IMR 4831 50.0C 2750                                | 46000              |                      |                         | IMR 4831 57.0 2930                                       | 50000              |                      |                         |  |                    |                      |                         |
| <b>6.5 x 55 SWEDISH</b>                                 |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>85 GR. SIERRA H.P.          |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR<br>SPEER 130 GR. SPITZER  |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>HORNADY 139 GR. SPIRE PT.    |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>HORNADY 120 GR. SPIRE PT.    |                    |                      |                         |
| .264" DIA.; 24" BBL.; 2.800" C.O.L.                     | .284" DIA.; 24" BBL.; 2.965" C.O.L. |                      |                         | SR 4759  | 26.5 2270          | 51800                |                         | .284" DIA.; 24" BBL.; 2.800" C.O.L.                      |                    |                      |                         | .284" DIA.; 24" BBL.; 3.290" C.O.L.                      |                    |                      |                         |
| IMR 3031 43.5 3310 46000                                | IMR 4227                            | 22.5 2080            | 44300                   | IMR 4198   | 25.5 2285          | 51800                |                         | SR 4759  | 36.5 2695          | 51900                |                         | SR 4759  | 34.0 2220          | 51200                |                         |
| IMR 4064 47.0 3350 45000                                | IMR 4198                            | 29.0 2360            | 45800                   | IMR 4198   | 32.0 2565          | 51500                |                         | IMR 4227   | 37.0 2705          | 51300                |                         | IMR 4227   | 35.5 2240          | 51800                |                         |
| IMR 4895 46.0 3335 45900                                | IMR 4320                            | 36.0 2365            | 45100                   | IMR 3031   | 40.5 2830          | 51900                |                         | IMR 4198   | 44.0 2980          | 51000                |                         | IMR 4198   | 41.5 2440          | 52000                |                         |
| IMR 4320 45.5 3260 45100                                | IMR 4350                            | 47.0 2650            | 46000                   | IMR 4064   | 42.5 2835          | 51300                |                         | IMR 3031   | 52.5 3180          | 51200                |                         | IMR 4064   | 55.5 3245          | 51200                |                         |
| IMR 4350 51.0C 3230 43700                               | IMR 4831                            | 48.0C 2625           | 46000                   | IMR 4895   | 40.5 2790          | 51000                |                         | IMR 4895   | 54.5 3215          | 52000                |                         | IMR 4320   | 55.5 3185          | 51400                |                         |
| <b>6.5 x 55 SWEDISH</b>                                 |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>140 GR SIERRA SPITZER B.T., |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR<br>SPEER 145 GR. SPITZER  |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>HORNADY 162 GR. BTHP         |                    |                      |                         | REM. CASE; REM. M 9 1/2 PR<br>REM. 175 GR. PTD. SPCL     |                    |                      |                         |
| .264" DIA.; 24" BBL.; 3.000" C.O.L.                     | .284" DIA.; BBL.; 3.065" C.O.L.     |                      |                         | SR 4759  | 23.0 1835          | 45100                |                         | .284" DIA.; 24" BBL.; 2.800" C.O.L.                      |                    |                      |                         | .284" DIA.; 24" BBL.; 3.290" C.O.L.                      |                    |                      |                         |
| IMR 3031 34.5 2355 45800                                | IMR 4227                            | 22.5 1840            | 44400                   | IMR 4198   | 29.0 2260          | 45800                |                         | SR 4759  | 24.5 2060          | 51800                |                         | SR 4759  | 34.0 2220          | 51200                |                         |
| IMR 4064 37.5 2465 45600                                | IMR 4198                            | 35.0 2475            | 46000                   | IMR 3031   | 38.0 2530          | 46000                |                         | IMR 4227   | 24.0 2095          | 51900                |                         | IMR 4227   | 35.5 2240          | 51800                |                         |
| IMR 4895 36.5 2430 45000                                | IMR 4320                            | 36.0 2365            | 45100                   | IMR 4064   | 40.0 2555          | 45300                |                         | IMR 4198   | 29.5 2330          | 50300                |                         | IMR 4198   | 41.5 2440          | 52000                |                         |
| IMR 4320 37.5 2465 45500                                | IMR 4350                            | 47.0 2650            | 46000                   | IMR 4895   | 35.0 2325          | 45800                |                         | IMR 3031   | 38.0C 2585         | 51100                |                         | IMR 3031   | 47.5 2555          | 50700                |                         |
| IMR 4350 42.5 2525 45400                                | IMR 4831                            | 48.0C 2625           | 46000                   | IMR 4320   | 36.0 2295          | 45200                |                         | IMR 4064   | 39.0C 2535         | 46500                |                         | IMR 4064   | 51.0 2645          | 51500                |                         |
| IMR 4831 43.5 2530 45800                                | IMR 7828                            | 47.5 2600            | 45000                   | IMR 4831   | 47.5C 2540         | 45600                |                         | IMR 4895   | 38.5 2595          | 52000                |                         | IMR 4895   | 50.0 2645          | 52000                |                         |
| IMR 7828 47.5 2600 45000                                |                                     |                      |                         |  |                    |                      |                         | IMR 4320   | 40.0 2625          | 51500                |                         | IMR 4320   | 50.5 2665          | 52000                |                         |
| <b>.270 WINCHESTER</b>                                  |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>REM. 100 GR. PSP            |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR<br>REM. 125 GR. PTD. SPCL |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>SIERRA 168 GR. MATCH KING HP |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>HORNADY 100 GR. SHORT JACKET |                    |                      |                         |
| .277" DIA.; 24" BBL.; 3.075" C.O.L.                     | .284" DIA.; 24" BBL.; 3.065" C.O.L. |                      |                         | SR 4759  | 22.5 1855          | 45700                |                         | .284" DIA.; 24" BBL.; 2.800" C.O.L.                      |                    |                      |                         | .284" DIA.; 24" BBL.; 1.760" C.O.L.                      |                    |                      |                         |
| SR 4759 30.5 2720 41200                                 | IMR 4227                            | 22.5 1890            | 46000                   | IMR 4198   | 28.5 2135          | 44900                |                         | SR 4759  | 24.0 1995          | 50500                |                         | SR 4759 11.0C 1575                                       | 23700              |                      |                         |
| IMR 3031 48.5 3320 51300                                | IMR 4198                            | 36.0 2295            | 45200                   | IMR 3031   | 38.0 2430          | 45800                |                         | IMR 4227   | 23.5 2025          | 51400                |                         | IMR 4227 16.0C 2005                                      | 40000              |                      |                         |
| IMR 4064 52.0 3400 50900                                | IMR 4350                            | 45.0 2510            | 45800                   | IMR 4064   | 40.0 2480          | 46000                |                         | IMR 4198   | 29.5 2290          | 51100                |                         | IMR 4198 14.5C 1530                                      | 20700              |                      |                         |
| IMR 4895 49.0 3310 52000                                | IMR 4831                            | 47.5C 2540           | 45600                   | IMR 4895   | 35.0 2325          | 45800                |                         | IMR 3031   | 37.0C 2515         | 50500                |                         |  |                    |                      |                         |
| IMR 4320 51.0 3340 51000                                | IMR 4320                            | 36.0 2295            | 45200                   | IMR 4320   | 36.0 2295          | 45200                |                         | IMR 4064   | 38.0C 2475         | 46000                |                         |  |                    |                      |                         |
| IMR 4350 57.5 3300 51500                                | IMR 4350                            | 45.0 2510            | 45800                   | IMR 4350   | 45.0 2510          | 45800                |                         | IMR 4895   | 38.0C 2355         | 51400                |                         |  |                    |                      |                         |
| IMR 4831 59.5C 3325 51300                               | IMR 4831                            | 47.5C 2540           | 45600                   | IMR 4831   | 40.0C 2255         | 34200                |                         | IMR 4320   | 40.0C 2590         | 51800                |                         |  |                    |                      |                         |
| IMR 7828 61.0C 3300 52000                               | IMR 7828                            | 47.5 2600            | 45000                   | IMR 4831   | 40.0C 2255         | 34200                |                         | IMR 4350   | 40.0C 2365         | 39800                |                         |  |                    |                      |                         |
| <b>.270 WINCHESTER</b>                                  |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>NOSLER 130 GR. PARTITION    |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR<br>REM. 125 GR. PTD. SPCL |                    |                      |                         | REM. CASE; WIN. 8 1/2-120 PR<br>SPEER 130 GR. SPITZER    |                    |                      |                         | REM. CASE; REM. 9 1/2 PR<br>SPEER 150 GR. SPITZER        |                    |                      |                         |
| .277" DIA.; 24" BBL.; 3.250" C.O.L.                     | .283" DIA.; 24" BBL.; 3.250" C.O.L. |                      |                         | SR 4759  | 30.0 2445          | 49700                |                         | .284" DIA.; 24" BBL.; 2.800" C.O.L.                      |                    |                      |                         | .308" DIA.; 24" BBL.; 2.600" C.O.L.                      |                    |                      |                         |
| SR 4759 27.5 2260 51300                                 | IMR 4227                            | 28.5 2375            | 48400                   | IMR 4198   | 36.0 2680          | 50000                |                         | SR 4759  | 30.0 2425          | 51900                |                         | SR 4759  | 23.5 2095          | 45500                |                         |
| IMR 3031 45.5 2945 51700                                | IMR 4198                            | 47.0 2975            | 48900                   | IMR 3031   | 47.0 2975          | 48900                |                         | IMR 4227   | 30.0 2460          | 52300                |                         | IMR 4227   | 24.0 2105          | 44800                |                         |
| IMR 4064 48.0 3030 51200                                | IMR 4064                            | 50.0 3055            | 49700                   | IMR 4064   | 44.0 2745          | 49100                |                         | IMR 4198   | 38.0 2775          | 52400                |                         | IMR 4198   | 30.0 2365          | 44100                |                         |
| IMR 4895 46.0 2945 52000                                | IMR 4895                            | 44.0 2745            | 49100                   | IMR 4320   | 46.5 2880          | 49900                |                         | IMR 3031   | 48.0 3055          | 54000                |                         | IMR 3031   | 38.5 2575          | 44500                |                         |
| IMR 4320 45.5 2880 51400                                | IMR 4320                            | 46.5 2880            | 49900                   | IMR 4350   | 56.5 3055          | 48600                |                         | IMR 4064   | 50.0 3085          | 54000                |                         | IMR 4064   | 40.0 2565          | 45400                |                         |
| IMR 4350 55.0 3075 51100                                | IMR 4350                            | 56.5 3055            | 48600                   | IMR 4831   | 60.0C 3115         | 50000                |                         | IMR 4895   | 45.0 2905          | 52800                |                         | IMR 4895   | 40.0 2470          | 45900                |                         |
| IMR 4831 56.5 3080 51200                                | IMR 4831                            | 56.5 3080            | 51200                   | IMR 4831   | 60.0C 3115         | 50000                |                         | IMR 4320   | 46.0 2890          | 52300                |                         | IMR 4320   | 41.5 2555          | 46000                |                         |
| IMR 7828 60.0C 3140 52000                               | IMR 7828                            | 56.5 3080            | 51200                   |  |                    |                      |                         | IMR 4350   | 57.0 3130          | 53600                |                         | IMR 4350   | 44.0C 2415         | 39800                |                         |
|   |                                     |                      |                         |  |                    |                      |                         | IMR 4831   | 59.0C 3100         | 50600                |                         | IMR 4831   | 44.0C 2260         | 36200                |                         |
| <b>.270 WINCHESTER</b>                                  |                                     |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>NOSLER 130 GR. PARTITION    |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR<br>REM. 125 GR. PTD. SPCL |                    |                      |                         | REM. CASE; WIN. 8 1/2-120 PR<br>SPEER 130 GR. SPITZER    |                    |                      |                         |  |                    |                      |                         |

## RIFLE

| IMR<br>POWDER   | CHARGE<br>(grains)   | VELOCITY<br>(ft/sec)  | CHAMBER<br>PRESS. (cup)   | IMR<br>POWDER   | CHARGE<br>(grains)   | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER   | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) |
|---|--|---|---|---|--|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|---|--------------------|----------------------|-------------------------|
| <b>.300 SAVAGE</b>  |  |   |   |   |  |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>SPEER 180 GR. RN                    |  |   |   | REM. CASE; REM. 9 1/2 PR<br>HORNADY 110 GR. SPIRE PT.           |  |                      |                         | REM. CASE; REM. 9 1/2 PR<br>REM. 180 GR. PTD. SPCL   |                    |                      |                         | REM. CASE; REM. 9 1/2 M PR<br>HORNADY 170 GR. RN          |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.600" C.O.L.<br>SR 4759 22.5 1910 45500  | .308" DIA.; 23" BBL.; 3.130" C.O.L.<br>SR 4759 35.0 2820 49700 | .308" DIA.; 23" BBL.; 3.130" C.O.L.<br>IMR 4227 32.0 2730 49400 | .308" DIA.; 24" BBL.; 3.520" C.O.L.<br>IMR 4227 36.0 2300 54000 | .308" DIA.; 24" BBL.; 3.520" C.O.L.<br>IMR 4227 36.0 1860 37000 | .323" DIA.; 25" BBL.; 2.840" C.O.L.<br>SR 4759 20.5 1855 37000 |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4227 23.0 1965 44800  | IMR 4198 29.5 2190 45200                                       | IMR 4198 39.5 2980 49400  | IMR 3031 56.0 3365 49300  | IMR 3031 57.0 2815 53400  | IMR 3031 32.5 2105 36100                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 3031 37.0 2390 45900  | IMR 4064 38.5 2395 45900                                       | IMR 4064 58.0 3320 49400  | IMR 4064 60.0 2875 53400  | IMR 4064 69.0 2990 54000  | IMR 4064 35.0 2175 36900                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4064 38.5 2390 45700  | IMR 4895 38.5 2390 45700                                       | IMR 4895 54.5 3265 49300  | IMR 4895 54.5 2760 53800  | IMR 4320 57.5 2795 53800  | IMR 4320 34.5 2105 36200                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4320 40.0 2390 46000  | IMR 4320 40.0 2390 46000                                       | IMR 4320 57.5 3255 49100  | IMR 4320 57.5 2795 53800  | IMR 4350 69.0 2990 54000  | IMR 4350 42.0 2180 37000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4350 44.0C 2350 41900                                       | IMR 4831 44.0C 2240 39300                                      | IMR 4831 59.0C 2780 32500                                       | IMR 4831 73.0C 3035 53500                                       | IMR 4831 73.0C 3035 53500                                       | IMR 4831 46.0 2255 37000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| <b>.308 WINCHESTER</b>  |  |   |   |   |  |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>HORNADY 110 GR. SPIRE PT.           |  |   |   | REM. CASE; REM. 9 1/2 PR<br>REM. 150 GR. PTD. SPCL              |  |                      |                         | REM. CASE; REM. 9 1/2 M PR<br>REM. 220 GR. SPCL      |                    |                      |                         | REM. CASE; WIN 8 1/2-120 PR<br>WIN. 200 GR. POWDER PT. SP |                    |                      |                         |
| .308" DIA.; 23" BBL.; 2.600" C.O.L.<br>SR 4759 31.0 2710 51600  | .308" DIA.; 23" BBL.; 3.200" C.O.L.<br>SR 4759 31.0 2365 49700 | .308" DIA.; 23" BBL.; 3.200" C.O.L.<br>IMR 4227 32.0 2835 51900 | .308" DIA.; 24" BBL.; 3.575" C.O.L.<br>SR 4759 36.5 2030 54000  | .308" DIA.; 24" BBL.; 3.575" C.O.L.<br>IMR 4227 35.5 2015 53600 | .338" DIA.; 25" BBL.; 3.330" C.O.L.<br>SR 4759 39.5 2335 54000 |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4227 32.0 2835 51900  | IMR 4198 38.5 3015 51100                                       | IMR 4198 38.0 2600 50000  | IMR 4198 42.0 2240 52600  | IMR 4198 47.5 2565 53500  | IMR 4198 61.0 2860 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4198 38.5 3015 51100  | IMR 3031 45.0C 2990 42200                                      | IMR 3031 49.5 2850 49800  | IMR 3031 52.5 2485 53300  | IMR 4064 64.0 2920 54000  | IMR 4064 64.0 2920 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 3031 45.0C 2990 42200                                       | IMR 4064 47.0C 2955 43300                                      | IMR 4064 52.0 2885 50000  | IMR 4064 56.5 2655 53300  | IMR 4064 64.0 2920 54000  | IMR 4064 64.0 2920 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4064 47.0C 2955 43300                                       | IMR 4895 49.0C 3130 49200                                      | IMR 4895 49.5 2845 50000  | IMR 4895 51.5 2465 53300  | IMR 4895 61.0 2880 54000  | IMR 4895 61.0 2880 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4895 49.0C 3130 49200                                       | IMR 4320 49.0C 3010 49200                                      | IMR 4320 51.0 2825 50000  | IMR 4320 54.0 2495 53000  | IMR 4320 63.0 2875 54000  | IMR 4320 63.0 2875 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4320 49.0C 3010 49200                                       | IMR 4350 47.0C 2500 32000                                      | IMR 4350 59.0C 2825 47800                                       | IMR 4350 65.0 2695 54000  | IMR 4350 73.0 3030 53900  | IMR 4350 73.0 3030 53900                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4350 47.0C 2500 32000                                       | IMR 4831 47.0C 2330 29200                                      | IMR 4831 59.0C 2715 42900                                       | IMR 4831 67.0 2710 54000  | IMR 4831 76.0C 3020 51000                                       | IMR 4831 76.0C 3020 51000                                      |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| <b>.308 WINCHESTER</b>  |  |   |   |   |  |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR<br>REM. 180 GR. PTD. SPCL              |  |   |   | REM. CASE; REM. 9 1/2 PR<br>SIERRA 200 GR. MATCH KING HP        |  |                      |                         | REM. CASE; REM. 9 1/2 M PR<br>REM. 150 GR. PTD. SPCL |                    |                      |                         | REM. CASE; WIN 8 1/2-120 PR<br>REM. 220 GR. SPCL          |                    |                      |                         |
| .308" DIA.; 23" BBL.; 2.725" C.O.L.<br>SR 4759 26.5 2085 51200  | .308" DIA.; 23" BBL.; 3.340" C.O.L.<br>SR 4759 28.5 2000 49800 | .308" DIA.; 23" BBL.; 3.340" C.O.L.<br>IMR 4227 28.5 2045 50000 | .308" DIA.; 24" BBL.; 3.340" C.O.L.<br>SR 4759 41.5 2660 53400  | .308" DIA.; 24" BBL.; 3.340" C.O.L.<br>IMR 4227 39.5 2590 52400 | .338" DIA.; 25" BBL.; 3.330" C.O.L.<br>SR 4759 34.5 1795 54000 |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4227 27.0 2110 52000  | IMR 4198 33.5 2350 51600                                       | IMR 4198 36.0 2285 48400  | IMR 4198 49.0 2900 53600  | IMR 4198 65.5 3240 53700  | IMR 4198 65.5 2305 53500                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4198 33.5 2350 51600  | IMR 3031 41.5C 2550 51700                                      | IMR 3031 44.5 2450 49700  | IMR 3031 64.0 3335 53900  | IMR 4320 71.0C 2430 43400                                       | IMR 4320 71.0C 2430 43400                                      |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 3031 41.5C 2550 51700                                       | IMR 4064 43.5C 2580 51700                                      | IMR 4064 43.0 2445 49700  | IMR 4064 76.0 2430 43400  | IMR 4064 80.0 3365 54000  | IMR 4064 80.0 3365 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4064 43.5C 2580 51700                                       | IMR 4895 42.5C 2540 50900                                      | IMR 4895 46.0 2445 48800  | IMR 4895 80.0 3365 54000  | IMR 4895 80.0 3365 54000  | IMR 4895 80.0 3365 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4895 42.5C 2540 50900                                       | IMR 4320 44.5C 2550 52000                                      | IMR 4320 53.5C 2470 50000                                       | IMR 4320 80.0 3365 54000  | IMR 4320 80.0 3365 54000  | IMR 4320 80.0 3365 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4320 44.5C 2550 52000                                       | IMR 4350 46.0C 2365 38900                                      | IMR 4350 53.5C 2470 50000                                       | IMR 4350 80.0 3365 54000  | IMR 4350 80.0 3365 54000  | IMR 4350 80.0 3365 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4350 46.0C 2365 38900                                       | IMR 4831 46.0C 2225 36900                                      | IMR 4831 55.0C 2285 41900                                       | IMR 4831 80.0 3365 54000  | IMR 4831 80.0 3365 54000  | IMR 4831 80.0 3365 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| <b>.30-40 Krag</b>  |  |   |   |   |  |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; WIN. 8 1/2-120 PR<br>SPEER 150 GR. SPITZER           |  |   |   | REM. CASE; REM. 9 1/2 PR<br>HORNADY 220 GR. RN                  |  |                      |                         | REM. CASE; CCI 200 PR<br>SPEER 125 GR. SP. 311 DIA.  |                    |                      |                         | REM. CASE; WIN 8 1/2-120 PR<br>WIN. 300 GR. POWER PT. SP  |                    |                      |                         |
| .308" DIA.; 25.5" BBL.; 3.00" C.O.L.<br>SR 4759 24.5 2080 37300 | .308" DIA.; 23" BBL.; 3.185" C.O.L.<br>SR 4759 27.0 1835 50000 | .308" DIA.; 23" BBL.; 3.185" C.O.L.<br>IMR 4227 23.5 2090 37700 | .308" DIA.; 24" BBL.; 3.180" C.O.L.<br>IMR 4227 24.0 2250 42500 | .308" DIA.; 24" BBL.; 3.180" C.O.L.<br>IMR 4198 24.0 1995 44100 | .338" DIA.; 25" BBL.; 3.330" C.O.L.<br>SR 4759 34.5 1795 54000 |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4227 23.5 2090 37700  | IMR 4198 30.0 2355 38100                                       | IMR 4198 33.0 2055 48800  | IMR 4198 39.5 2590 53600  | IMR 4198 49.0 2900 53600  | IMR 4198 64.0 3240 53000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4198 30.0 2355 38100  | IMR 3031 42.0 2695 39500                                       | IMR 3031 42.5 2300 49000  | IMR 3031 46.0 2370 50000  | IMR 3031 46.0 2370 50000  | IMR 4064 56.0 2305 53800                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4198 33.0 2055 48800  | IMR 4064 44.0 2695 39000                                       | IMR 4064 45.0 2230 50000  | IMR 4064 45.0 2230 50000  | IMR 4064 45.0 2230 50000  | IMR 4895 52.5 2265 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4064 44.0 2695 39000  | IMR 4895 36.0 2435 39700                                       | IMR 4895 40.5 2295 49500  | IMR 4895 40.5 2295 49500  | IMR 4895 40.5 2295 49500  | IMR 4895 52.5 2265 54000                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4895 36.0 2435 39700  | IMR 4320 37.0 2420 39700                                       | IMR 4320 44.0 2295 49500  | IMR 4320 44.0 2295 49500  | IMR 4320 44.0 2295 49500  | IMR 4320 54.5 2275 53700                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4320 37.0 2420 39700  | IMR 4350 48.5C 2615 36300                                      | IMR 4350 53.5C 2470 50000                                       | IMR 4350 53.5C 2470 50000                                       | IMR 4350 53.5C 2470 50000                                       | IMR 4350 64.5 2410 53800                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4350 48.5C 2615 36300                                       | IMR 4831 48.5C 2425 3590                                       | IMR 4831 55.0C 2285 41900                                       | IMR 4831 75.5C 3200 53100                                       | IMR 4831 75.5C 3200 53100                                       | IMR 4831 68.5C 2480 54000                                      |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| <b>.30-40 Krag</b>  |  |   |   |   |  |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; WIN. 8 1/2-120 PR<br>REM. 180 GR. SPCL               |  |   |   | REM. CASE; REM. 9 1/2 PR<br>REM. 150 GR. PTD. SPCL              |  |                      |                         | REM. CASE; REM. 9 1/2 M PR<br>REM. 150 GR. PTD. SPCL |                    |                      |                         | REM. CASE; WIN 8 1/2-120 PR<br>REM. 150 GR. PTD. SPCL     |                    |                      |                         |
| .308" DIA.; 25.5" BBL.; 3.00" C.O.L.<br>SR 4759 24.0 1940 39100 | .308" DIA.; 24" BBL.; 3.550" C.O.L.<br>SR 4759 40.0 2455 53600 | .308" DIA.; 24" BBL.; 3.550" C.O.L.<br>IMR 4227 37.0 2515 54000 | .308" DIA.; 25" BBL.; 2.945" C.O.L.<br>SR 4759 21.5 1960 37000  | .308" DIA.; 25" BBL.; 2.945" C.O.L.<br>IMR 4227 22.5 2015 36700 | .357" DIA.; 18.5" BBL.; 1.590" C.O.L.<br>"Hi-Skor"             |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4227 23.0 1900 37800  | IMR 4198 29.5 2150 39800                                       | IMR 4198 44.0 2715 53500  | IMR 4198 28.5 2225 37000  | IMR 4198 34.5 2335 37000  | 700-X 6.7 1455 35700   |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4198 29.5 2150 39800  | IMR 3031 38.0 2375 39300                                       | IMR 3031 60.0 3100 51000  | IMR 3031 34.5 2335 37000  | IMR 4064 36.0 2305 37000  | PB 7.2 1435 34600  |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 3031 38.0 2375 39300  | IMR 4064 41.0 2435 39000                                       | IMR 4064 64.0 3170 53800  | IMR 4064 36.0 2305 37000  | IMR 4895 36.0 2310 37000  | SR 7625 7.4 1460 35300   |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4064 41.0 2435 39000  | IMR 4895 35.5 2270 38800                                       | IMR 4895 55.0 2960 54000  | IMR 4895 36.0 2310 37000  | IMR 4895 36.0 2310 37000  | SR 4756 9.2 1615 35800   |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4895 35.5 2270 38800  | IMR 4320 35.5 2210 38100                                       | IMR 4320 58.0 2970 53700  | IMR 4320 36.0 2270 36900  | IMR 4320 36.0 2270 36900  | IMR 4227 20.0X 1935 34100                                      |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4320 35.5 2210 38100  | IMR 4350 46.0C 2445 38700                                      | IMR 4350 73.0 3215 53600  | IMR 4350 43.0 2315 36800  | IMR 4350 43.0 2315 36800  | IMR 4831 47.0 2325 36800                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| IMR 4350 46.0C 2445 38700                                       | IMR 4831 49.0C 2425 3590                                       | IMR 4831 75.5C 3200 53100                                       | IMR 4831 47.0 2325 36800  | IMR 4831 47.0 2325 36800  | IMR 4831 47.0 2325 36800                                       |                      |                         |  |                    |                      |                         |   |                    |                      |                         |

*Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.*

## RIFLE

| IMR<br>POWDER                         | CHARGE<br>(grains)                  | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                       | CHARGE<br>(grains)                  | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                       | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) |
|---------------------------------------|-------------------------------------|----------------------|-------------------------|-------------------------------------|-------------------------------------|----------------------|-------------------------|-------------------------------------|--------------------|----------------------|-------------------------|
| <b>.357 MAGNUM (RIFLE)</b>            |                                     |                      |                         |                                     |                                     |                      |                         |                                     |                    |                      |                         |
| REM. CASE; REM. 5 1/2 PR              |                                     |                      |                         | .375 H & H MAG.                     |                                     |                      |                         | .444 MARLIN                         |                    |                      |                         |
| HORNADY 158 GR. HP                    |                                     |                      |                         | WIN. CASE; WIN. 8 1/2-120 PR        |                                     |                      |                         | REM. CASE; REM. 9 1/2 PR            |                    |                      |                         |
| .357" DIA.; 18.5" BBL.; 1.590" C.O.L. |                                     |                      |                         | REM. 270 GR. SP                     |                                     |                      |                         | REM. 240 GR. SP                     |                    |                      |                         |
| "Hi-Skor"                             |                                     |                      |                         | .375" DIA.; 25" BBL.; 3.600" C.O.L. |                                     |                      |                         | .430" DIA.; 25" BBL.; 2.570" C.O.L. |                    |                      |                         |
| 700-X 5.7 1185 35200                  | SR 4759                             | 41.5                 | 2085                    | SR 4759                             | 33.0                                | 2055                 | 43600                   | SR 4759                             | 29.0               | 1500                 | 26900                   |
| PB 6.0 1160 35600                     | IMR 4227                            | 39.5                 | 2070                    | IMR 4227                            | 32.5                                | 2030                 | 44000                   | IMR 4227                            | 30.0               | 1465                 | 26500                   |
| SR 7625 6.5 1215 36000                | IMR 4198                            | 49.0                 | 2300                    | IMR 4198                            | 47.0                                | 2335                 | 44000                   | IMR 4198                            | 38.0               | 1620                 | 27400                   |
| SR 4756 8.0 1340 36000                | IMR 3031                            | 65.5                 | 2610                    | IMR 3031                            | 54.5C                               | 2175                 | 35900                   | IMR 3031                            | 51.45              | 1795                 | 27000                   |
| IMR 4227 16.3C 1605 34900             | IMR 4064                            | 69.0                 | 2655                    | IMR 4064                            | 54.5C                               | 2055                 | 32200                   | IMR 4064                            | 55.0C              | 1780                 | 26700                   |
|                                       | IMR 4895                            | 65.0                 | 2565                    | IMR 4895                            | 56.0C                               | 2200                 | 38600                   | IMR 4895                            | 52.5               | 1785                 | 26900                   |
|                                       | IMR 4320                            | 66.5                 | 2545                    | IMR 4320                            | 56.0C                               | 2125                 | 37500                   | IMR 4320                            | 53.5               | 1720                 | 27300                   |
|                                       | IMR 4350                            | 78.5C                | 2710                    | IMR 4350                            | 55.5C                               | 1775                 | 24200                   | IMR 4350                            | 56.0C              | 1555                 | 20000                   |
|                                       | IMR 4831                            | 82.5C                | 2690                    | IMR 4831                            | 80.0C                               | 2560                 | 48300                   | IMR 4831                            | 56.0C              | 1390                 | 17800                   |
| <b>.35 REMINGTON</b>                  |                                     |                      |                         |                                     |                                     |                      |                         |                                     |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR              |                                     |                      |                         | .375 H & H MAG.                     |                                     |                      |                         | .45-70 GOVT.                        |                    |                      |                         |
| REM. 150 GR. PTD. SPCL                |                                     |                      |                         | WIN. CASE; WIN. 8 1/2-120 PR        |                                     |                      |                         | WIN. CASE; WIN. 8 1/2-120 PR        |                    |                      |                         |
| .358" DIA.; 23" BBL.; 2.500" C.O.L.   |                                     |                      |                         | WIN. 300 GR. SILVER TIP             |                                     |                      |                         | WIN. 405 GR. SP                     |                    |                      |                         |
| SR 4759 23.0 1985 35000               | .375" DIA.; 25" BBL.; 3.600" C.O.L. |                      |                         | SR 4759 39.0 1925 53000             | .457" DIA.; 25" BBL.; 2.550" C.O.L. |                      |                         | SR 4759 29.0 1500 26900             |                    |                      |                         |
| IMR 4227 22.0 1935 33600              | SR 4227                             | 3805                 | 1935                    | IMR 4227 30.0 1465 26500            | SR 4227                             | 30.0 1465 26500      |                         | IMR 4227 30.0 1465 26500            |                    |                      |                         |
| IMR 4198 29.0 2190 35000              | IMR 4198                            | 47.0                 | 2145                    | IMR 4198 38.0 1620 27400            | IMR 4198                            | 38.0 1620 27400      |                         | IMR 4198 38.0 1620 27400            |                    |                      |                         |
| IMR 3031 42.0C 2390 34200             | IMR 3031                            | 63.0                 | 2465                    | IMR 3031 51.45 1795 27000           | IMR 3031 51.45 1795 27000           |                      |                         | IMR 3031 51.45 1795 27000           |                    |                      |                         |
| IMR 4064 43.0C 2390 34200             | IMR 4064                            | 67.0                 | 2525                    | IMR 4064 67.0C 1785 26900           | IMR 4064 67.0C 1785 26900           |                      |                         | IMR 4064 67.0C 1785 26900           |                    |                      |                         |
| IMR 4895 43.0C 2390 34600             | IMR 4895                            | 61.0                 | 2400                    | IMR 4895 61.0 2400 53700            | IMR 4895 61.0 2400 53700            |                      |                         | IMR 4895 61.0 2400 53700            |                    |                      |                         |
| IMR 4320 42.5 2295 34700              | IMR 4320                            | 63.0                 | 2405                    | IMR 4320 63.0 2405 53700            | IMR 4320 63.0 2405 53700            |                      |                         | IMR 4320 63.0 2405 53700            |                    |                      |                         |
| IMR 4350 43.5C 1985 24100             | IMR 4350                            | 78.0C                | 2620                    | IMR 4350 78.0C 2620 53700           | IMR 4350 78.0C 2620 53700           |                      |                         | IMR 4350 78.0C 2620 53700           |                    |                      |                         |
| IMR 4831 43.5C 1850 21300             | IMR 4831                            | 80.0C                | 2560                    | IMR 4831 80.0C 2560 48300           | IMR 4831 80.0C 2560 48300           |                      |                         | IMR 4831 80.0C 2560 48300           |                    |                      |                         |
| <b>.35 REMINGTON</b>                  |                                     |                      |                         |                                     |                                     |                      |                         |                                     |                    |                      |                         |
| REM. CASE; REM. 9 1/2 PR              |                                     |                      |                         | .416 REMINGTON MAGNUM               |                                     |                      |                         | .458 WINCHESTER MAG.                |                    |                      |                         |
| HORNADY 200 GR. RN                    |                                     |                      |                         | REM. CASE; REM. 9 1/2 M PR          |                                     |                      |                         | WIN. CASE; WIN. 8 1/2-120 PR        |                    |                      |                         |
| .358" DIA.; 23" BBL.; 2.500" C.O.L.   |                                     |                      |                         | SWIFT 350 GR SSSP,                  |                                     |                      |                         | WIN. 510 GR. SP                     |                    |                      |                         |
| SR 4759 20.5 1770 35000               | .416" DIA.; 24" BBL.; 3.545" C.O.L. |                      |                         | IMR 3031 76.5 2450 53000            | .457" DIA.; 25" BBL.; 3.340" C.O.L. |                      |                         | SR 4759 44.5 1645 52400             |                    |                      |                         |
| IMR 4227 21.0 1760 35000              | IMR 4227                            | 76.5                 | 2450                    | IMR 4064 81.0 2485 51600            | SR 4227 45.0 1665 52700             |                      |                         | IMR 4227 45.0 1665 52700            |                    |                      |                         |
| IMR 4198 27.0 1915 33500              | IMR 4198                            | 76.5                 | 2450                    | IMR 4895 77.0 2425 53700            | IMR 4198 58.0 1925 52500            |                      |                         | IMR 4198 58.0 1925 52500            |                    |                      |                         |
| IMR 3031 37.5 2110 34700              | IMR 3031                            | 76.5                 | 2450                    | IMR 3031 69.0C 2030 43900           | IMR 3031 69.0C 2030 43900           |                      |                         | IMR 3031 69.0C 2030 43900           |                    |                      |                         |
| IMR 4064 39.5C 2080 34200             | IMR 4064                            | 81.0                 | 2485                    | IMR 4064 71.0C 2020 41300           | IMR 4064 71.0C 2020 41300           |                      |                         | IMR 4064 71.0C 2020 41300           |                    |                      |                         |
| IMR 4895 36.5 2030 3490               | IMR 4895                            | 77.0                 | 2425                    | IMR 4895 72.5 2100 53000            | IMR 4895 72.5 2100 53000            |                      |                         | IMR 4895 72.5 2100 53000            |                    |                      |                         |
| IMR 4320 38.5 2020 35000              | IMR 4320                            | 78.0                 | 2335                    | IMR 4320 74.0C 2070 51500           | IMR 4320 74.0C 2070 51500           |                      |                         | IMR 4320 74.0C 2070 51500           |                    |                      |                         |
| IMR 4350 43.0C 1915 29200             | IMR 4350                            | 78.0C                | 2335                    | IMR 4350 72.0C 1810 30300           | IMR 4350 72.0C 1810 30300           |                      |                         | IMR 4350 72.0C 1810 30300           |                    |                      |                         |
| IMR 4831 43.0C 1780 25900             | IMR 4831                            | 78.0C                | 2335                    | IMR 4831 72.0C 1680 24900           | IMR 4831 72.0C 1680 24900           |                      |                         | IMR 4831 72.0C 1680 24900           |                    |                      |                         |
| <b>.358 WINCHESTER</b>                |                                     |                      |                         |                                     |                                     |                      |                         |                                     |                    |                      |                         |
| WIN. CASE; WIN. 8 1/2-120 PR          |                                     |                      |                         | .44 REMINGTON MAG.                  |                                     |                      |                         | .458 WINCHESTER MAG.                |                    |                      |                         |
| WEST. 200 GR. SILVER TIP              |                                     |                      |                         | REM. CASE; REM. 2 1/2 PR            |                                     |                      |                         | WIN. CASE; WIN. 8 1/2-120 PR        |                    |                      |                         |
| .358" DIA.; 25" BBL.; 2.765" C.O.L.   |                                     |                      |                         | REM. 240 GR. SP                     |                                     |                      |                         | WIN. 510 GR. SP                     |                    |                      |                         |
| SR 4759 29.5 2170 52000               | .430" DIA.; 22" BBL.; 1.610" C.O.L. |                      |                         | SR 4759 21.0C 1630 38500            | .457" DIA.; 25" BBL.; 3.340" C.O.L. |                      |                         | SR 4759 44.5 1645 52400             |                    |                      |                         |
| IMR 4227 28.5 2130 50800              | IMR 4227                            | 23.5C                | 1680                    | IMR 4227 23.5C 1680 39500           | SR 4227 45.0 1665 52700             |                      |                         | IMR 4227 45.0 1665 52700            |                    |                      |                         |
| IMR 4198 40.0 2495 52000              | IMR 4198                            | 25.5C                | 1515                    | IMR 4198 25.5C 1515 26400           | IMR 4198 58.0 1925 52500            |                      |                         | IMR 4198 58.0 1925 52500            |                    |                      |                         |
| IMR 3031 49.0C 2630 51800             | IMR 3031                            | 27.0C                | 1190                    | IMR 3031 27.0C 1190 18900           | IMR 3031 69.0C 2030 43900           |                      |                         | IMR 3031 69.0C 2030 43900           |                    |                      |                         |
| IMR 4064 49.0C 2525 46200             | IMR 4064                            | 27.5C                | 1145                    | IMR 4064 27.5C 1145 16600           | IMR 4064 71.0C 2020 41300           |                      |                         | IMR 4064 71.0C 2020 41300           |                    |                      |                         |
| IMR 4895 49.0C 2565 50800             | IMR 4895                            | 28.0C                | 1225                    | IMR 4895 28.0C 1225 18300           | IMR 4895 72.5 2100 53000            |                      |                         | IMR 4895 72.5 2100 53000            |                    |                      |                         |
| IMR 4320 51.0C 3656 62800             | IMR 4320                            | 28.5C                | 1200                    | IMR 4320 28.5C 1200 20900           | IMR 4320 74.0C 2070 51500           |                      |                         | IMR 4320 74.0C 2070 51500           |                    |                      |                         |
| IMR 4350 51.0C 2270 37600             | IMR 4350                            | 27.0C                | 850                     | IMR 4350 27.0C 850 13900            | IMR 4350 72.0C 1810 30300           |                      |                         | IMR 4350 72.0C 1810 30300           |                    |                      |                         |
| IMR 4831 51.0C 2115 41700             | IMR 4831                            | 27.0C                | 720                     | IMR 4831 27.0C 720 12500            | IMR 4831 72.0C 1680 24900           |                      |                         | IMR 4831 72.0C 1680 24900           |                    |                      |                         |
| <b>.358 WINCHESTER</b>                |                                     |                      |                         |                                     |                                     |                      |                         |                                     |                    |                      |                         |
| WIN. CASE; WIN. 8 1/2-120 PR          |                                     |                      |                         | .416 REMINGTON MAGNUM               |                                     |                      |                         | .458 WINCHESTER MAG.                |                    |                      |                         |
| WEST. 250 GR. SILVER TIP              |                                     |                      |                         | REM. CASE; REM. 9 1/2 M PR          |                                     |                      |                         | WIN. CASE; WIN. 8 1/2-120 PR        |                    |                      |                         |
| .358" DIA.; 25" BBL.; 2.780" C.O.L.   |                                     |                      |                         | SWIFT 350 GR SSSP,                  |                                     |                      |                         | WIN. 510 GR. SP                     |                    |                      |                         |
| SR 4759 26.0 1845 51400               | .416" DIA.; 24" BBL.; 3.555" C.O.L. |                      |                         | IMR 3031 75.0 2315 52100            | .457" DIA.; 25" BBL.; 3.340" C.O.L. |                      |                         | SR 4759 44.5 1645 52400             |                    |                      |                         |
| IMR 4227 26.5 1860 52000              | IMR 4227                            | 76.0                 | 2315                    | IMR 4064 78.0 2335 52000            | SR 4227 45.0 1665 52700             |                      |                         | IMR 4227 45.0 1665 52700            |                    |                      |                         |
| IMR 4198 32.5 2045 51700              | IMR 4198                            | 76.5                 | 2315                    | IMR 4895 76.5 2325 53800            | IMR 4198 58.0 1925 52500            |                      |                         | IMR 4198 58.0 1925 52500            |                    |                      |                         |
| IMR 3031 42.0 2260 50800              | IMR 3031                            | 76.5                 | 2315                    | IMR 3031 77.0C 2030 43900           | IMR 3031 69.0C 2030 43900           |                      |                         | IMR 3031 69.0C 2030 43900           |                    |                      |                         |
| IMR 4064 44.0C 2270 52000             | IMR 4064                            | 76.5                 | 2315                    | IMR 4064 77.0C 2030 43900           | IMR 4064 71.0C 2020 41300           |                      |                         | IMR 4064 71.0C 2020 41300           |                    |                      |                         |
| IMR 4895 43.0 2235 51200              | IMR 4895                            | 76.5                 | 2315                    | IMR 4895 77.0C 2030 43900           | IMR 4895 72.5 2100 53000            |                      |                         | IMR 4895 72.5 2100 53000            |                    |                      |                         |
| IMR 4320 44.5 2210 51400              | IMR 4320                            | 76.5                 | 2315                    | IMR 4320 77.0C 2030 43900           | IMR 4320 74.0C 2070 51500           |                      |                         | IMR 4320 74.0C 2070 51500           |                    |                      |                         |
| IMR 4350 47.0C 2115 41700             | IMR 4350                            | 76.5                 | 2315                    | IMR 4350 77.0C 2030 43900           | IMR 4350 72.0C 1810 30300           |                      |                         | IMR 4350 72.0C 1810 30300           |                    |                      |                         |
| IMR 4831 47.0C 1975 37100             | IMR 4831                            | 76.5                 | 2315                    | IMR 4831 77.0C 2030 43900           | IMR 4831 72.5 2100 53000            |                      |                         | IMR 4831 72.5 2100 53000            |                    |                      |                         |

## IMR 7828

### WEATHERBY CARTRIDGES RELOADING DATA

| CALIBER               | PRIMER   | BULLET                           | CARTRIDGE<br>OVERALL<br>LENGTH (IN.) | IMR<br>POWDER | POWDER<br>CHARGE<br>GRAINS | VELOCITY<br>FT/SEC | CHAMBER<br>PRESSURE<br>(CUP) |
|-----------------------|----------|----------------------------------|--------------------------------------|---------------|----------------------------|--------------------|------------------------------|
| .240 Weatherby Magnum | Fed. 210 | Nosler 100 gr. Spitzer           | 3.063                                | IMR-7828      | 53.5C                      | 3240               | 52000                        |
| 7mm Weatherby Magnum  | Fed. 215 | Hornady 139 gr. Flat Spire Point | 3.068                                | IMR-7828      | 76.0C                      | 3335               | 51500                        |
|                       |          | Nosler 140 gr. Spitzer           | 3.250                                | IMR-7828      | 76.5C                      | 3390               | 53300                        |
|                       |          | Hornady 154 gr. Spire Point      | 3.337                                | IMR-7828      | 74.5                       | 3250               | 53400                        |
|                       |          | Nosler 160 gr. Spitzer           | 3.337                                | IMR-7828      | 73.5                       | 3210               | 53500                        |
|                       |          | Hornady 175 gr. Spire Point      | 3.360                                | IMR-7828      | 70.5                       | 2975               | 53000                        |
| .300 Weatherby Magnum | Fed. 215 | Nosler 150 gr. Spitzer           | 3.560                                | IMR-7828      | 89.0C                      | 3425               | 49900                        |
|                       |          | Nosler 180 gr. Spitzer           | 3.560                                | IMR-7828      | 86.0C                      | 3240               | 52500                        |
|                       |          | Nosler 200 gr. Spitzer           | 3.560                                | IMR-7828      | 83.0C                      | 3065               | 50600                        |
| .340 Weatherby Magnum | Fed. 215 | Nosler 210 gr. Spitzer           | 3.608                                | IMR-7828      | 90.5C                      | 3070               | 51600                        |
|                       |          | Hornady 225 gr. Spire Point      | 3.645                                | IMR-7828      | 89.0C                      | 2965               | 51000                        |
|                       |          | Hornady 250 gr. Round Nose       | 3.658                                | IMR-7828      | 87.5C                      | 2860               | 53100                        |

**Notes:**

- Brass—Weatherby Factory Shells
- C = Compressed Load
- Barrel Length—26 inch
- All Nosler bullets used were partition type
- Recommended using only primer shown for each load

### RIFLE DATA SHOWING CHAMBER PRESSURE IN PSI

| IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) |
|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|
|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|

#### 243 WINCHESTER

WIN. CASE; FED. 210 PR  
NOSLER 55 GR. BALLISTIC TIP  
.243" DIA.; 24" BBL.; 2.580" C.O.L.  
IMR 4064 44.0 3900 56000

#### 243 WINCHESTER

WIN. CASE; FED. 210 PR  
BARNES 85 GR. XBTLC  
.243" DIA.; 24" BBL.; 2.670" C.O.L.  
IMR 4895 38.0 3100 55600  
IMR 4320 38.5 3100 57000  
IMR 4350 45.0 3170 55000  
IMR 4831 46.0 3170 54000

#### 243 WINCHESTER

WIN. CASE; FED. 210 PR  
HORNADY 100 GR. SP  
.243" DIA.; 24" BBL.; 2.670" C.O.L.  
IMR 4895 34.0 2790 56000  
IMR 4350 38.2 2850 56000  
IMR 4831 39.5 2880 57000

#### 25-06 REMINGTON

REM. CASE; FED. 210 PR  
BARNES 115 GR. X  
.257" DIA.; 24" BBL.; 3.175" C.O.L.  
IMR 4350 45.3 2860 60000  
IMR 4831 46.2 2830 60000  
IMR 7828 51.5 2900 57000

#### 25-06 REMINGTON

REM. CASE; FED. 210 PR  
NOSLER 115 GR. BALLISTIC TIP  
.257" DIA.; 24" BBL.; 3.175" C.O.L.  
IMR 4350 48.7 3000 59000  
IMR 4831 50.7 3030 60000  
IMR 7828 55.5 3040 57000

#### 260 REMINGTON

REM. CASE; WIN. WLR PR  
SIERRA 100 GR. HOLLOW PT.  
.264" DIA.; 24" BBL.; 2.700" C.O.L.  
IMR 3031 35.5 2995 57100  
IMR 4064 39.5 3095 57000  
IMR 4895 38.0 3045 57300  
IMR 4320 39.0 3040 57300  
IMR 4350 45.0 3120 57500  
IMR 4831 46.5 3130 58300  
IMR 7828 49.0C 3025 53300

#### 260 REMINGTON

REM. CASE; WIN. WLR PR  
SIERRA 120 GR. SPITZER  
.264" DIA.; 24" BBL.; 2.780" C.O.L.  
SR 4759 17.0 1755 37500  
SR 4759 23.5 2280 57600  
IMR 3031 34.0 2720 57600  
IMR 4064 37.0 2805 57700  
IMR 4895 36.0 2770 57100  
IMR 4320 37.5 2805 58400  
IMR 4350 43.0 2885 58000  
IMR 4831 44.0 2885 58400  
IMR 7828 47.0C 2895 57800

#### 260 REMINGTON

REM. CASE; WIN. WLR PR  
HORNADY 129 GR. SPIRE PT.  
.264" DIA.; 24" BBL.; 2.780" C.O.L.  
IMR 3031 33.0 2590 56800  
IMR 4064 36.5 2690 58300  
IMR 4895 36.5 2725 58100  
IMR 4320 36.5 2685 58600  
IMR 4350 41.5 2765 57300  
IMR 4831 43.0 2785 58300  
IMR 7828 45.0 2775 57200

#### 260 REMINGTON

REM. CASE; WIN. WLR PR  
REM. 140 GR. PSPCL  
.264" DIA.; 24" BBL.; 2.780" C.O.L.  
SR 4759 18.0 1735 39800  
SR 4759 23.0 2135 56500  
IMR 3031 32.5 2505 56200  
IMR 4064 36.0 2615 56900  
IMR 4895 35.5 2605 57600  
IMR 4320 36.0 2600 57600  
IMR 4350 43.0 2715 57000  
IMR 4831 44.0 2715 57000  
IMR 7828 47.0C 2755 57200

#### 260 REMINGTON

REM. CASE; WIN. WLR PR  
HORNADY 160 GR. RN  
.264" DIA.; 24" BBL.; 2.800" C.O.L.  
IMR 4350 40.5 2520 57400  
IMR 4831 41.5 2520 57200  
IMR 7828 45.0 2580 58100

#### 270 WIN SHORT MAG

WIN. CASE; REM. 9 1/2 M  
NOSLER 130 GR. BALLISTIC TIP  
.277" DIA.; 24" BBL.; 2.800" C.O.L.  
IMR 4350 62.5 3244 63100  
IMR 4831 63.8 3234 62900  
IMR 7828 68.0 3244 61500

#### 270 WIN SHORT MAG

WIN. CASE; REM. 9 1/2 M  
SWIFT 140 GR. A-FRAME  
.277" DIA.; 24" BBL.; 2.800" C.O.L.  
IMR 4350 58.3 3074 62700  
IMR 4831 60.3 3096 62900  
IMR 7828 65.2 3135 62000

#### 270 WIN SHORT MAG

WIN. CASE; REM. 9 1/2 M  
NOSLER 150 GR. BALLISTIC TIP  
.277" DIA.; 24" BBL.; 2.800" C.O.L.  
IMR 4350 60.0 3016 62600  
IMR 4831 61.6 3021 62900  
IMR 7828 66.5C 3059 60800

#### 270 WINCHESTER

REM. CASE; FED. 210 PR  
SIERRA 140 GR. HPBT  
.277" DIA.; 24" BBL.; 3.252" C.O.L.  
IMR 4831 55.0 2980 62000  
IMR 7828 56.5 2860 55000

#### 7MM REM SAUM

REM. CASE; REM. 9 1/2 M  
NOSLER 140 GR. PARTITION  
.284" DIA.; 24" BBL.; 2.815" C.O.L.  
IMR 4350 61.2 3174 62000  
IMR 4831 62.3 3173 62700  
IMR 7828 65.0C 3104 58600

#### 7MM REM SAUM

REM. CASE; REM. 9 1/2 M  
BARNES 140 GR. XBT  
.284" DIA.; 24" BBL.; 2.815" C.O.L.  
IMR 4350 59.2 3115 63100  
IMR 4831 60.6 3099 62300  
IMR 7828 63.5C 3035 58700

#### 7MM REM SAUM

REM. CASE; REM. 9 1/2 M  
SWIFT 150 GR. SCIROCCO  
.284" DIA.; 24" BBL.; 2.815" C.O.L.  
IMR 4350 57.8 3023 63000  
IMR 4831 59.3 3022 63200  
IMR 7828 63.5C 3028 61700

#### 7MM REM SAUM

REM. CASE; REM. 9 1/2 M  
HORNADY 154 GR. SP  
.284" DIA.; 24" BBL.; 2.815" C.O.L.  
IMR 4350 57.3 2964 62400  
IMR 4831 58.7 2963 62200  
IMR 7828 63.4 3016 63400

#### 7MM REM SAUM

REM. CASE; REM. 9 1/2 M  
NOSLER 160 GR. PARTITION  
.284" DIA.; 24" BBL.; 2.815" C.O.L.  
IMR 4350 56.9 2929 63000  
IMR 4831 58.6 2928 62400  
IMR 7828 63.3 2996 63600

## RIFLE

| IMR<br>POWDER                       | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER                       | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER                       | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER                       | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) |
|-------------------------------------|--------------------|----------------------|-------------------------|-------------------------------------|--------------------|----------------------|-------------------------|-------------------------------------|--------------------|----------------------|-------------------------|-------------------------------------|--------------------|----------------------|-------------------------|
| <b>7MM WIN SHORT MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| WIN. CASE; REM. 9 1/2 M             |                    |                      |                         | 7 MM SHOOTING TIMES                 |                    |                      |                         | 7MM REM ULTRA MAG                   |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         |
| BARNES 140 GR. XBT                  |                    |                      |                         | WESTERNER                           |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         |
| .284" DIA.; 24" BBL.; 2.830" C.O.L. |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | HORNADY 175 GR. SP                  |                    |                      |                         | SIERRA 165 GR. HPBT                 |                    |                      |                         |
| IMR 4350 63.2 3155 63200            |                    |                      |                         | BARNES 120 GR. XFB                  |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 3.215" C.O.L. |                    |                      |                         |
| IMR 4831 64.3 3130 63000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.580" C.O.L. |                    |                      |                         | IMR 4064 47.5 2740 57000            |                    |                      |                         | IMR 4064 47.5 2740 57000            |                    |                      |                         |
| IMR 7828 68.0c 3104 59600           |                    |                      |                         | IMR 4350 73.0 3460 63000            |                    |                      |                         | IMR 4895 46.0 2700 57000            |                    |                      |                         | IMR 4350 54.0 2760 55000            |                    |                      |                         |
| <b>7MM WIN SHORT MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| WIN. CASE; REM. 9 1/2 M             |                    |                      |                         | 7 MM SHOOTING TIMES                 |                    |                      |                         | 30-30 WINCHESTER                    |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         |
| NOSLER 150 GR. BALLISTIC TIP        |                    |                      |                         | WESTERNER                           |                    |                      |                         | REM. CASE; REM. 9" PR               |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         |
| .284" DIA.; 24" BBL.; 2.830" C.O.L. |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | SIERRA 150 GR. FN                   |                    |                      |                         | SWIFT 165 GR. A-FRAME               |                    |                      |                         |
| IMR 4350 62.0 3072 62800            |                    |                      |                         | NOSLER 140 GR. BALLISTIC TIP        |                    |                      |                         | .308" DIA.; 24" BBL.; 2.550" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 3.205" C.O.L. |                    |                      |                         |
| IMR 4831 63.5 3068 63000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.580" C.O.L. |                    |                      |                         | IMR 4198 24.6 2190 40000            |                    |                      |                         | IMR 4895 48.5 2710 56000            |                    |                      |                         |
| IMR 7828 68.0c 3089 61900           |                    |                      |                         | IMR 4350 71.5 3285 62700            |                    |                      |                         | IMR 3031 31.1 2300 39000            |                    |                      |                         | IMR 4350 56.0 2790 55000            |                    |                      |                         |
| <b>7MM WIN SHORT MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| WIN. CASE; REM. 9 1/2 M             |                    |                      |                         | 7 MM SHOOTING TIMES                 |                    |                      |                         | 30-30 WINCHESTER                    |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         |
| NOSLER 160 GR. PARTITION            |                    |                      |                         | WESTERNER                           |                    |                      |                         | REM. CASE; REM. 9" PR               |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         |
| .284" DIA.; 24" BBL.; 2.830" C.O.L. |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | HORNADY 170 GR. FP                  |                    |                      |                         | SWIFT 180 GR. SCIROCCO              |                    |                      |                         |
| IMR 4350 58.3 2925 62800            |                    |                      |                         | NOSLER 150 GR. BALLISTIC TIP        |                    |                      |                         | .308" DIA.; 24" BBL.; 2.545" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 3.340" C.O.L. |                    |                      |                         |
| IMR 4831 59.3 2922 62700            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.580" C.O.L. |                    |                      |                         | IMR 4198 23.6 2020 40000            |                    |                      |                         | IMR 4064 44.7 2460 55000            |                    |                      |                         |
| IMR 7828 65.5 3004 62900            |                    |                      |                         | IMR 4350 67.5 3110 62300            |                    |                      |                         | IMR 3031 29.7 2110 39000            |                    |                      |                         | IMR 4350 53.0 2590 57000            |                    |                      |                         |
| <b>7MM WIN SHORT MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| WIN. CASE; REM. 9 1/2 M             |                    |                      |                         | 7 MM SHOOTING TIMES                 |                    |                      |                         | 308 WINCHESTER                      |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         |
| HORNADY 175 GR. SP                  |                    |                      |                         | WESTERNER                           |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         |
| .284" DIA.; 24" BBL.; 2.830" C.O.L. |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | NOSLER 150 GR. BALLISTIC TIP        |                    |                      |                         | NOSLER 180 GR. PARTITION            |                    |                      |                         |
| IMR 4350 56.5 2760 62800            |                    |                      |                         | SWIFT 160 GR. A-FRAME               |                    |                      |                         | .308" DIA.; 24" BBL.; 2.755" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 3.290" C.O.L. |                    |                      |                         |
| IMR 4831 57.0 2753 63400            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | IMR 4064 42.5 2750 57000            |                    |                      |                         | IMR 4064 45.5 2530 56000            |                    |                      |                         |
| IMR 7828 62.1 2811 62600            |                    |                      |                         | IMR 4350 66.5 3040 62400            |                    |                      |                         | IMR 4895 45.0c 2840 59000           |                    |                      |                         | IMR 4350 53.5 2630 56000            |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 308 WINCHESTER                      |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         |
| BARNES 140 GR. XBTLC                |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.270" C.O.L. |                    |                      |                         | NOSLER 140 GR. PARTITION            |                    |                      |                         | BARNES 165 GR. X                    |                    |                      |                         | SIERRA 180 GR. SPITZER BT           |                    |                      |                         |
| IMR 4350 65.3 3060 58000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.800" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 3.325" C.O.L. |                    |                      |                         |
| IMR 4831 66.5 3040 56000            |                    |                      |                         | IMR 4350 66.5 2995 62000            |                    |                      |                         | IMR 4064 42.5 2600 58000            |                    |                      |                         | IMR 4064 46.0 2600 55000            |                    |                      |                         |
| IMR 7828 72.3c 3100 58000           |                    |                      |                         | IMR 4831 68.5 3010 62400            |                    |                      |                         | IMR 4895 43.7 2650 59000            |                    |                      |                         | IMR 4350 53.5 2630 56000            |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 308 WINCHESTER                      |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         |
| NOSLER 150 GR. BALLISTIC TIP        |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.290" C.O.L. |                    |                      |                         | NOSLER 140 GR. PARTITION            |                    |                      |                         | BARNES 165 GR. X                    |                    |                      |                         | SIERRA 180 GR. SPITZER BT           |                    |                      |                         |
| IMR 4350 60.6 2940 56000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.800" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 3.325" C.O.L. |                    |                      |                         |
| IMR 4831 63.2 2960 57000            |                    |                      |                         | IMR 4350 60.6 3270 62000            |                    |                      |                         | IMR 4064 42.5 2600 58000            |                    |                      |                         | IMR 4064 46.0 2600 55000            |                    |                      |                         |
| IMR 7828 68.2 3000 57000            |                    |                      |                         | IMR 7828 88.6 3350 62000            |                    |                      |                         | IMR 4895 43.7 2650 59000            |                    |                      |                         | IMR 4350 53.5 2630 56000            |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 308 WINCHESTER                      |                    |                      |                         | 300 REM SAUM                        |                    |                      |                         |
| NOSLER 150 GR. PARTITION            |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; REM. 9 1/2 M             |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.290" C.O.L. |                    |                      |                         | BARNES 140 GR. XBT                  |                    |                      |                         | BARNES 165 GR. X                    |                    |                      |                         | NOSLER 150 GR. BALLISTIC TIP        |                    |                      |                         |
| IMR 4350 58.8 2930 56000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.755" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.815" C.O.L. |                    |                      |                         |
| IMR 4831 62.0 2940 57000            |                    |                      |                         | IMR 4350 60.2 3260 62000            |                    |                      |                         | IMR 4064 42.5 2640 57000            |                    |                      |                         | IMR 3031 53.5 3085 62400            |                    |                      |                         |
| IMR 7828 67.1 2980 56000            |                    |                      |                         | IMR 7828 86.8 3290 62000            |                    |                      |                         | IMR 4895 43.3 2680 59000            |                    |                      |                         | IMR 4064 57.5 3148 62100            |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 308 WINCHESTER                      |                    |                      |                         | 300 REM SAUM                        |                    |                      |                         |
| NOSLER 160 GR. PARTITION            |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; FED. REM. 9 1/2 M        |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.290" C.O.L. |                    |                      |                         | BARNES 140 GR. XBT                  |                    |                      |                         | BARNES 165 GR. X                    |                    |                      |                         | NOSLER 165 GR. BALLISTIC TIP        |                    |                      |                         |
| IMR 4350 58.7 2880 57000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.755" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.815" C.O.L. |                    |                      |                         |
| IMR 4831 60.2 2860 56000            |                    |                      |                         | IMR 4350 60.2 3230 62000            |                    |                      |                         | IMR 4064 42.5 2640 57000            |                    |                      |                         | IMR 3031 53.5 3131 60500            |                    |                      |                         |
| IMR 7828 66.0 2940 57000            |                    |                      |                         | IMR 7828 86.0 3300 61000            |                    |                      |                         | IMR 4895 43.3 2680 59000            |                    |                      |                         | IMR 4064 56.0c 3050 55700           |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         | 300 REM SAUM                        |                    |                      |                         |
| NOSLER 160 GR. PARTITION            |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; REM. 9 1/2 M             |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.250" C.O.L. |                    |                      |                         | BARNES 140 GR. XLC                  |                    |                      |                         | BARNES 165 GR. XLC                  |                    |                      |                         | NOSLER 165 GR. BALLISTIC TIP        |                    |                      |                         |
| IMR 7828 66.5 2940 59000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.755" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.815" C.O.L. |                    |                      |                         |
| IMR 7828 66.0 3140 62000            |                    |                      |                         | IMR 4350 86.5 3150 61000            |                    |                      |                         | IMR 4064 42.5 2750 57000            |                    |                      |                         | IMR 4064 56.6 2989 63100            |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         | 300 REM SAUM                        |                    |                      |                         |
| NOSLER 160 GR. PARTITION            |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; REM. 9 1/2 M             |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.250" C.O.L. |                    |                      |                         | BARNES 140 GR. XLC                  |                    |                      |                         | BARNES 165 GR. XLC                  |                    |                      |                         | NOSLER 165 GR. BALLISTIC TIP        |                    |                      |                         |
| IMR 7828 66.5 2940 59000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.755" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.815" C.O.L. |                    |                      |                         |
| IMR 7828 84.5 3140 62000            |                    |                      |                         | IMR 4350 86.5 3150 61000            |                    |                      |                         | IMR 4064 42.7 2750 57000            |                    |                      |                         | IMR 4064 56.0 2968 61800            |                    |                      |                         |
| <b>7MM REMINGTON MAG</b>            |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |                                     |                    |                      |                         |
| REM. CASE; FED. 215 PR              |                    |                      |                         | 7 MM REM ULTRA MAG                  |                    |                      |                         | 30-06 SPRG                          |                    |                      |                         | 300 REM SAUM                        |                    |                      |                         |
| NOSLER 160 GR. PARTITION            |                    |                      |                         | REM. CASE; FED. 215 PR              |                    |                      |                         | REM. CASE; FED. 210 PR              |                    |                      |                         | REM. CASE; REM. 9 1/2 M             |                    |                      |                         |
| .284" DIA.; 24" BBL.; 3.250" C.O.L. |                    |                      |                         | BARNES 140 GR. XLC                  |                    |                      |                         | BARNES 165 GR. XLC                  |                    |                      |                         | NOSLER 165 GR. BALLISTIC TIP        |                    |                      |                         |
| IMR 7828 66.5 2940 59000            |                    |                      |                         | .284" DIA.; 24" BBL.; 3.600" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.755" C.O.L. |                    |                      |                         | .308" DIA.; 24" BBL.; 2.815" C.O.L. |                    |                      |                         |
| IMR 7828 84.5 3140 62000            |                    |                      |                         | IMR 4350 86.5 3150 61000            |                    |                      |                         | IMR 4064 42.7 2750 57000            |                    |                      |                         | IMR 4064 56.0 2968 61800            |                    |                      |                         |

## RIFLE

| IMR<br>POWDER   | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) | IMR<br>POWDER   | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) |
|---|--------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|---|--------------------|----------------------|-------------------------|
| <b>300 REM SAUM</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| RE. CASE; REM. 9 1/2 M<br>SPEER 180 GR. GS-SP   |                    |                      |                         | WIN. CASE; FED. 215 PR<br>SWIFT 180 GR. A-FRAME  |                    |                      |                         | RE. CASE; FED. 215 PR<br>SWIFT 180 GR. SCIROCCO  |                    |                      |                         | RE. CASE; FED. 215 PR<br>NOSLER 225 GR. PARTITION   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.695" C.O.L.<br>IMR 4064 54.8 2822 62400<br>IMR 4350 62.7 2902 62800<br>IMR 4831 63.0c 2836 58500  |                    |                      |                         | .308" DIA.; 24" BBL.; 3.310" C.O.L.<br>IMR 4350 70.0 2970 58000<br>IMR 4831 71.5 2950 59000<br>IMR 7828 77.0c 2930 56000 |                    |                      |                         | .308" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 79.0 3070 62000<br>IMR 4831 82.9 3060 60000<br>IMR 7828 88.6 3100 59000  |                    |                      |                         | .338" DIA.; 26" BBL.; 3.595" C.O.L.<br>IMR 4350 81.4 2940 62000<br>IMR 4831 84.2 2940 61000<br>IMR 7828 92.0 3000 61000 |                    |                      |                         |
| <b>300 REM SAUM</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| RE. CASE; REM. 9 1/2 M<br>BARNES 180 GR. XBT  |                    |                      |                         | WIN. CASE; FED. 215 PR<br>SWIFT 180 GR. SCIROCCO   |                    |                      |                         | RE. CASE; FED. 215 PR<br>NOSLER 180 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215 PR<br>SWIFT 250 GR. A-FRAME  |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.815" C.O.L.<br>IMR 4064 53.3 2807 62200<br>IMR 4350 60.9c 2859 63400<br>IMR 4831 60.9c 2763 56000 |                    |                      |                         | .308" DIA.; 24" BBL.; 3.340" C.O.L.<br>IMR 4350 67.8 2930 60000<br>IMR 4831 69.7 2930 60000<br>IMR 7828 74.5 2880 56000  |                    |                      |                         | .308" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 80.5 3110 62000<br>IMR 4831 81.4 3070 60000<br>IMR 7828 87.0 3140 61000  |                    |                      |                         | .338" DIA.; 26" BBL.; 3.525" C.O.L.<br>IMR 4350 79.5 2750 61000<br>IMR 4831 81.8 2770 61000<br>IMR 7828 88.3 2820 61000 |                    |                      |                         |
| <b>300 REM SAUM</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| RE. CASE; REM. 9 1/2 M<br>SPEER 200 GR. GS-SP   |                    |                      |                         | RE. CASE; FED. 215<br>NOSLER 165 GR. BALLISTIC TIP   |                    |                      |                         | RE. CASE; FED. 215 PR<br>NOSLER 200 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215 PR<br>SPEER 250 GR. GRAND SLAM   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.695" C.O.L.<br>IMR 4064 52.5 2663 63100<br>IMR 4350 59.5c 2732 61800<br>IMR 4831 59.5c 2649 56300 |                    |                      |                         | .308" DIA.; 24" BBL.; 3.560" C.O.L.<br>IMR 4350 75.0 3142 60300<br>IMR 4831 76.5 3187 62300<br>IMR 7828 81.5 3155 61000  |                    |                      |                         | .308" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 78.0 2940 62000<br>IMR 4831 80.2 2920 61000<br>IMR 7828 85.8 2990 61000  |                    |                      |                         | .338" DIA.; 26" BBL.; 3.580" C.O.L.<br>IMR 7828 87.0 2810 61000   |                    |                      |                         |
| <b>300 WIN SHORT MAG</b>  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>NOSLER 150 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215<br>SWIFT 165 GR. A-FRAME  |                    |                      |                         | RE. CASE; FED. 215 PR<br>NOSLER 200 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215 PR<br>SPEER 250 GR. GRAND SLAM   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.860" C.O.L.<br>IMR 4350 68.8 3240 62000<br>IMR 4831 70.0c 3230 62000                              |                    |                      |                         | .308" DIA.; 24" BBL.; 3.520" C.O.L.<br>IMR 4350 74.5 3139 61100<br>IMR 4831 78.5 3192 62400<br>IMR 7828 82.0 3173 62000  |                    |                      |                         | .308" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 78.0 2940 62000<br>IMR 4831 80.2 2920 61000<br>IMR 7828 85.8 2990 61000  |                    |                      |                         | .338" DIA.; 26" BBL.; 3.580" C.O.L.<br>IMR 7828 87.0 2810 61000   |                    |                      |                         |
| <b>300 WIN SHORT MAG</b>  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>NOSLER 165 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215<br>BARNES 165 GR. XBT   |                    |                      |                         | RE. CASE; FED. 215 PR<br>SIERRA 180 GR. SPITZER  |                    |                      |                         | RE. CASE; FED. 215 PR<br>HORNADY 300 GR. FN PARTITION   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.860" C.O.L.<br>IMR 4350 65.5 3080 62000<br>IMR 4831 67.0 3070 62000                               |                    |                      |                         | .308" DIA.; 24" BBL.; 3.560" C.O.L.<br>IMR 4350 75.0 3127 61600<br>IMR 4831 77.0 3120 60600<br>IMR 7828 81.7 3146 61300  |                    |                      |                         | .311" DIA.; 24" BBL.; 3.035" C.O.L.<br>IMR 3031 41.0 2632 46100<br>IMR 4064 44.7 2699 46400<br>IMR 4895 44.2 2689 46600  |                    |                      |                         | .458" DIA.; 2.540" C.O.L.<br>IMR 4198 41.2 1900 27000<br>IMR 3031 54.0 1960 28000                                       |                    |                      |                         |
| <b>300 WIN SHORT MAG</b>  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>NOSLER 180 GR. BALLISTIC TIP  |                    |                      |                         | RE. CASE; FED. 215<br>BARNES 165 GR. XBT   |                    |                      |                         | WIN. CASE; REM. 9 1/2<br>SIERRA 180 GR. SPITZER  |                    |                      |                         | WIN. CASE; FED. 210 PR<br>NOSLER 300 GR. FN PARTITION   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.860" C.O.L.<br>IMR 4350 65.0 2970 62000<br>IMR 4831 65.6c 2940 62000                              |                    |                      |                         | .308" DIA.; 24" BBL.; 3.560" C.O.L.<br>IMR 4350 75.0 3127 61600<br>IMR 4831 77.0 3120 60600<br>IMR 7828 81.7 3146 61300  |                    |                      |                         | .311" DIA.; 24" BBL.; 3.035" C.O.L.<br>IMR 3031 38.3 2341 46500<br>IMR 4064 41.1 2400 45700<br>IMR 4895 41.0 2399 46100  |                    |                      |                         | .458" DIA.; 2.500" C.O.L.<br>IMR 4198 41.2 1880 28000<br>IMR 3031 51.5 1890 27000                                       |                    |                      |                         |
| <b>300 WIN SHORT MAG</b>  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>SPEER 200 GR. GRAND SLAM  |                    |                      |                         | RE. CASE; FED. 215<br>NOSLER 180 GR. PARTITION   |                    |                      |                         | WIN. CASE; REM. 9 1/2<br>SIERRA 180 GR. SPITZER  |                    |                      |                         | WIN. CASE; FED. 210 PR<br>SIERRA 300 GR. FN HP  |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.860" C.O.L.<br>IMR 4350 60.0 2740 62000<br>IMR 4831 61.1 2722 62000                               |                    |                      |                         | .308" DIA.; 24" BBL.; 3.560" C.O.L.<br>IMR 4350 71.5 3000 61700<br>IMR 4831 76.0 3036 60600<br>IMR 7828 80.3 3079 61400  |                    |                      |                         | .311" DIA.; 24" BBL.; 3.035" C.O.L.<br>IMR 4350 68.7 2830 60000<br>IMR 4831 72.0 2860 60000<br>IMR 7828 75.0c 2790 56000 |                    |                      |                         | .458" DIA.; 2.530" C.O.L.<br>IMR 4198 43.0 1940 26000<br>IMR 3031 55.2 2010 28000                                       |                    |                      |                         |
| <b>300 WIN SHORT MAG</b>  |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>SPEER 200 GR. GRAND SLAM  |                    |                      |                         | RE. CASE; FED. 215<br>NOSLER 180 GR. PARTITION   |                    |                      |                         | WIN. CASE; FED. 215 PR<br>NOSLER 210 GR. PARTITION   |                    |                      |                         | WIN. CASE; FED. 210 PR<br>HORNADY 300 GR. FN PARTITION  |                    |                      |                         |
| .308" DIA.; 24" BBL.; 2.860" C.O.L.<br>IMR 4350 60.0 2740 62000<br>IMR 4831 61.1 2722 62000                               |                    |                      |                         | .308" DIA.; 24" BBL.; 3.560" C.O.L.<br>IMR 4350 71.5 3000 61700<br>IMR 4831 76.0 3036 60600<br>IMR 7828 80.3 3079 61400  |                    |                      |                         | .338" DIA.; 24" BBL.; 3.300" C.O.L.<br>IMR 4350 68.7 2830 60000<br>IMR 4831 72.0 2860 60000<br>IMR 7828 75.0c 2790 56000 |                    |                      |                         | *Note - These loads must not be used in any trapdoor single shot rifle.   |                    |                      |                         |
| <b>300 WINCHESTER MAG</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>NOSLER 165 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215 PR<br>BARNES 165 GR. XSP  |                    |                      |                         | WIN. CASE; FED. 215 PR<br>NOSLER 250 GR. PARTITION   |                    |                      |                         | WIN. CASE; FED. 210 PR<br>BARNES 300 GR. XFN  |                    |                      |                         |
| .308" DIA.; 24" BBL.; 3.330" C.O.L.<br>IMR 4350 71.5 3110 61000<br>IMR 4831 73.0 3100 61000<br>IMR 7828 79.3 3110 60000   |                    |                      |                         | .308" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 81.7 3170 61000<br>IMR 4831 82.5 3150 61000<br>IMR 7828 89.0 3200 61000  |                    |                      |                         | .338" DIA.; 24" BBL.; 3.325" C.O.L.<br>IMR 4350 65.2 2560 60000<br>IMR 4831 67.0 2570 61000<br>IMR 7828 71.0c 2590 59000 |                    |                      |                         | .458" DIA.; 24" BBL.; 2.512" C.O.L.<br>IMR 4198 44.2 2000 39000<br>IMR 3031 52.5c 1870 35000                            |                    |                      |                         |
| <b>300 WINCHESTER MAG</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>SIERRA 165 GR. HPBT   |                    |                      |                         | RE. CASE; FED. 215 PR<br>BARNES 165 GR. XSP  |                    |                      |                         | WIN. CASE; FED. 215 PR<br>SWIFT 250 GR. A-FRAME  |                    |                      |                         | WIN. CASE; FED. 210 PR<br>HORNADY CASE; FED. 210 PR   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 3.330" C.O.L.<br>IMR 4350 70.5 3080 59000<br>IMR 4831 73.2 3100 61000<br>IMR 7828 78.8 3110 60000   |                    |                      |                         | .308" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 83.0 3250 62000<br>IMR 4831 85.5 3240 62000<br>IMR 7828 91.2 3260 60000  |                    |                      |                         | .338" DIA.; 24" BBL.; 3.325" C.O.L.<br>IMR 4350 65.0 2560 60000<br>IMR 4831 66.8 2550 60000<br>IMR 7828 71.5c 2590 59000 |                    |                      |                         | .458" DIA.; 24" BBL.; 2.505" C.O.L.<br>IMR 4198 44.2 2000 39000<br>IMR 3031 52.5c 1870 35000                            |                    |                      |                         |
| <b>300 WINCHESTER MAG</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>NOSLER 180 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215 PR<br>SWIFT 165 GR. A-FRAME   |                    |                      |                         | WIN. CASE; FED. 215 PR<br>NOSLER 200 GR. PARTITION   |                    |                      |                         | WIN. CASE; FED. 210 PR<br>HORNADY 350 GR. FP  |                    |                      |                         |
| .308" DIA.; 24" BBL.; 3.330" C.O.L.<br>IMR 4350 69.0 2970 61000<br>IMR 4831 71.5 2950 59000<br>IMR 7828 77.0c 2930 56000  |                    |                      |                         | .308" DIA.; 24" BBL.; 3.550" C.O.L.<br>IMR 4350 81.2 3120 62000<br>IMR 4831 82.8 3090 61000<br>IMR 7828 89.0 3140 61000  |                    |                      |                         | .338" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 85.6 3150 62000<br>IMR 4831 88.7 3160 62000<br>IMR 7828 94.2 3180 62000  |                    |                      |                         | .458" DIA.; 24" BBL.; 2.550" C.O.L.<br>IMR 4198 45.0 2050 40000<br>IMR 3031 56.0c 2030 38000                            |                    |                      |                         |
| <b>300 WINCHESTER MAG</b>   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |   |                    |                      |                         |
| WIN. CASE; FED. 215 PR<br>NOSLER 180 GR. PARTITION  |                    |                      |                         | RE. CASE; FED. 215 PR<br>SWIFT 180 GR. A-FRAME   |                    |                      |                         | WIN. CASE; FED. 215 PR<br>NOSLER 200 GR. BALLISTIC TIP   |                    |                      |                         | WIN. CASE; FED. 210 PR<br>BARNES 400 GR. FN   |                    |                      |                         |
| .308" DIA.; 24" BBL.; 3.330" C.O.L.<br>IMR 4350 69.0 2970 61000<br>IMR 4831 71.5 2950 59000<br>IMR 7828 77.0c 2930 56000  |                    |                      |                         | .308" DIA.; 24" BBL.; 3.565" C.O.L.<br>IMR 4350 81.2 3120 62000<br>IMR 4831 82.8 3090 61000<br>IMR 7828 89.0 3140 61000  |                    |                      |                         | .338" DIA.; 24" BBL.; 3.600" C.O.L.<br>IMR 4350 85.6 3150 62000<br>IMR 4831 88.7 3160 62000<br>IMR 7828 94.2 3180 62000  |                    |                      |                         | .458" DIA.; 24" BBL.; 2.512" C.O.L.<br>IMR 4198 40.0 1820 40000<br>IMR 3031 50.8c 1860 40000                            |                    |                      |                         |

# HANDGUN

IMPORTANT: Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

Great care must be taken to insure that the correct ammunition is used in your gun.

## KEY TO ABBREVIATIONS FOR HANDGUN DATA

|        |                          |    |               |     |                    |
|--------|--------------------------|----|---------------|-----|--------------------|
| BB     | Bevel Base               | GC | Gas Check     | PSP | Pointed Soft Point |
| BRPR   | Bench Rest Primer        | HC | Hollow Cavity | RN  | Round Nose         |
| BT     | Boat Tail                | HP | Hollow Point  | SJ  | Semi-Jacketed      |
| C      | Compressed Charge        | J  | Jacketed      | SP  | Soft Point         |
| C.O.L. | Cartridge Overall Length | M  | Magnum        | SWC | Semi-Wadcutter     |
| FMJ    | Full Metal Jacket        | MC | Metal Case    | WC  | Wadcutter          |
| FP     | Flat Point               | PR | Primer        |     |                    |

| IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) |
|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|
|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|

### .22 REMINGTON JET CF MAG.

REM. CASE; REM. 6 1/2 PR  
REM. 40 GR. (J)  
.22" DIA.; 10.0" BBL.; 1.645" C.O.L.  
"Hi-Skor"  
700-X 4.7 1755 32000  
PB 5.1 1690 32200  
SR 7625 5.3 1745 31200  
SR 4756 6.7 1925 31200  
IMR 4227 13.5 2290 32900

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
REM. 45 GR. PSP; .224" DIA.;  
10.75" PISTOL BBL.; 1.800" C.O.L.  
"Hi-Skor"  
700-X 6.5 1950 51800  
PB 7.58 1990 50600  
SR 7625 7.8 2010 51700  
SR 4756 8.3 2105 52000  
"Hi-Skor"  
800-X 9.4 2370 51600  
SR 4759 13.2C 2235 36200  
IMR 4227 14.9 2535 50000  
IMR 4198 17.7C 2575 44500  
IMR 3031 17.8C 2015 26800  
IMR 4064 18.0C 1905 24700  
IMR 4895 18.6C 2055 28600

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
REM. 50 GR. PSP; .224" DIA.;  
10.75" PISTOL BBL.; 1.825" C.O.L.  
"Hi-Skor"  
700-X 6.0 1775 51700  
PB 7.1 1835 51800  
SR 7625 7.1 1850 52000  
SR 4756 7.7 1925 51200  
"Hi-Skor"  
800-X 9.1 2265 51700  
SR 4759 12.7C 2105 38000  
IMR 4227 14.7 2390 51400  
IMR 4198 16.7C 2380 44000  
IMR 3031 17.3C 1960 28200  
IMR 4064 17.5C 1835 27500  
IMR 4895 18.1C 1995 29900

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
REM. 55 GR. PSP; .224" DIA.;  
10.75" PISTOL BBL.; 1.825" C.O.L.  
"Hi-Skor"  
700-X 5.8 1655 51300  
PB 6.6 1700 51800  
SR 7625 6.6 1710 51500  
SR 4756 7.2 1790 51600  
"Hi-Skor"  
800-X 8.9 2135 50700  
SR 4759 12.2C 2000 37700  
IMR 4227 14.4 2315 51700  
IMR 4198 16.4C 2315 51700  
IMR 3031 16.8C 1900 28000  
IMR 4064 17.0C 1740 26300  
IMR 4895 17.5C 1950 28700

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
HORNADY 60 GR. HP; .224" DIA.;  
10.75" PISTOL BBL.; 1.825" C.O.L.  
"Hi-Skor"  
700-X 5.9 1635 50800  
PB 6.7 1685 51200  
SR 7625 6.7 1675 51900  
SR 4756 7.3 1745 50900  
"Hi-Skor"  
800-X 8.6 2025 52000  
SR 4759 11.7C 1915 38000  
IMR 4227 15.1 2315 51800  
IMR 4198 15.7C 5124 37100  
IMR 3031 16.1C 1770 23600  
IMR 4064 16.3C 1710 22800  
IMR 4895 16.8C 1845 28400

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
SPEER 70 GR. SEMI SPITZER;  
.224" DIA.; 10.75" PISTOL BBL.;  
1.740" C.O.L.  
"Hi-Skor"  
700-X 5.6 1455 50700  
PB 6.2 1490 51300  
SR 7625 6.3 1510 51500  
SR 4756 7.0 1580 51100  
"Hi-Skor"  
800-X 7.9 1790 52000  
SR 4759 10.8C 1790 52000  
IMR 4227 12.5 2015 51500  
IMR 4198 14.7C 2045 43200  
IMR 3031 14.7C 1685 25900  
IMR 4064 15.0C 1575 24200  
IMR 4895 15.5C 1725 29100

### .357 MAGNUM

REM. CASE; REM. 5 1/2 DIA.;  
HORNADY 110 GR. JHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.590" C.O.L.  
"Hi-Skor"  
700-X 6.6 1165 35600  
PB 7.6 1195 36000  
SR 7625 7.9 1230 35600  
SR 4756 9.5 1330 35800  
"Hi-Skor"  
800-X 10.9 1475 33600  
IMR 4227 21.0C 1510 35600

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
REM. 125 GR. SJHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.580" C.O.L.  
"Hi-Skor"  
700-X 6.2 1075 36000  
PB 6.8 1060 35800  
SR 7625 7.4 1100 35800  
SR 4756 8.6 1180 35800  
"Hi-Skor"  
800-X 10.2 1360 35300  
IMR 4227 18.5C 1325 34500

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
SPEER 140 GR. JHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.590" C.O.L.  
"Hi-Skor"  
700-X 6.0 960 35700  
PB 6.4 910 36000  
SR 7625 7.0 955 36000  
SR 4756 8.2 1025 35500  
"Hi-Skor"  
800-X 9.7 1230 35200  
IMR 4227 17.2 1210 35700

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
SPEER 148 GR. LEAD WC; .358" DIA.;  
6.0" REVOLVER BBL.; 1.420" C.O.L.  
"Hi-Skor"  
700-X 3.0 720 13100  
"Hi-Skor"  
700-X 5.1 980 34800  
PB 3.3 720 12300  
PB 5.7 1010 35400  
"Hi-Skor"  
800-X 4.5 710 13500  
"Hi-Skor"  
800-X 8.3 1215 35500  
SR 7625 6.0 1030 35600  
SR 4756 8.5 1215 35600  
IMR 4227 15.0C 1185 32700

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
REM. 158 GR. LEAD SWC; .358" DIA.;  
6.0" REVOLVER BBL.; 1.580" C.O.L.  
"Hi-Skor"

700-X 5.5 980 35600  
PB 5.9 985 35700  
SR 7625 6.5 1020 35800  
SR 4756 7.7 1110 35800

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
REM. 158 GR. SJHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.580" C.O.L.  
"Hi-Skor"  
700-X 5.2 885 35800  
PB 5.7 875 36000  
IMR 7625 6.2 855 35700  
SR 4756 7.5 940 35700  
"Hi-Skor"  
800-X 8.6 1080 35400

### .38 SPECIAL

REM. CASE; REM. 1 1/2 PR  
REM. 95 GR. SJHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.470" C.O.L.  
"Hi-Skor"  
700-X 4.6 1025 15600  
PB 5.1 1055 15600  
SR 7625 5.6 1065 15700  
SR 4756 6.5 1080 15900  
"Hi-Skor"  
800-X 7.8 1195 15700

### .38 SPECIAL

REM. CASE; REM. 1 1/2 PR  
HORNADY 110 GR. HP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.460" C.O.L.  
"Hi-Skor"  
700-X 4.2 970 15400  
PB 4.8 990 15200  
SR 7625 5.5 1060 15400  
SR 4756 6.2 1040 15600

## HANDGUN

| IMR<br>POWDER                     | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                     | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                     | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                    | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (psi) |
|-----------------------------------|--------------------|----------------------|-------------------------|-----------------------------------|--------------------|----------------------|-------------------------|-----------------------------------|--------------------|----------------------|-------------------------|----------------------------------|--------------------|----------------------|-------------------------|
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | REM. CASE; REM. 2 1/2 PR          |                    |                      |                         | REM. CASE; REM. 2 1/2 PR         |                    |                      |                         |
| REM. 125 GR. SJHP; .357" DIA.;    |                    |                      |                         | REM. 158 GR. LEAD RN; .358" DIA.; |                    |                      |                         | HORNADY 200 GR. HP/XTP; .400 DIA. |                    |                      |                         | HORNADY 240 GR. LEAD SWC;        |                    |                      |                         |
| 6.0" REVOLVER BBL.; 1.525" C.O.L. |                    |                      |                         | 6.0" REVOLVER BBL.; 1.520" C.O.L. |                    |                      |                         | 5.0" BBL.; 1.250" C.O.L.          |                    |                      |                         | .430" DIA.; 6.5" REVOLVER BBL.;  |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | 1.470" C.O.L.                    |                    |                      |                         |
| 700-X                             | 4.1                | 840                  | 15600                   | 700-X                             | 3.0                | 740                  | 11700                   | 700-X                             | 5.2                | 975                  | 33000                   | "Hi-Skor"                        |                    |                      |                         |
| PB                                | 4.6                | 865                  | 15500                   | "Hi-Skor"                         |                    |                      |                         | PB                                | 5.5                | 970                  | 34300                   | 700-X                            | 4.9                | 740                  | 13900                   |
| SR 7625                           | 5.3                | 935                  | 15900                   | 700-X                             | 3.6                | 790                  | 15800                   | SR 7625                           | 6.2                | 1040                 | 35700                   | PB                               | 5.7                | 750                  | 14000                   |
| SR 4756                           | 6.1                | 925                  | 15900                   | PB                                | 3.4                | 745                  | 11700                   | SR 4756                           | 6.6                | 1045                 | 35800                   | SR 7625                          | 6.2                | 770                  | 13800                   |
| "Hi-Skor"                         |                    |                      |                         | PB                                | 4.0                | 775                  | 15500                   | "Hi-Skor"                         |                    |                      |                         | 800-X                            | 6.9                | 695                  | 13900                   |
| 800-X                             | 6.9                | 980                  | 15500                   | SR 7625                           | 3.7                | 745                  | 10000                   | 800-X                             | 7.8                | 1130                 | 32500                   | SR 4756                          | 7.5                | 760                  | 13600                   |
|                                   |                    |                      |                         | SR 7625                           | 4.3                | 790                  | 15200                   |                                   |                    |                      |                         | IMR 4227                         | 14.3               | 790                  | 13700                   |
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | REM. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR            |                    |                      |                         |
| SPEER 140 GR. JHP; .357" DIA.;    |                    |                      |                         | NOSLER 135 GR. HP; .400" DIA.     |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.    |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.   |                    |                      |                         |
| 6.0" REVOLVER BBL.; 1.455" C.O.L. |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.  |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| 700-X                             | 3.7                | 730                  | 15900                   | 800-X                             | 4.8                | 750                  | 11500                   | 700-X                             | 6.2                | 1210                 | 32900                   | 700-X                            | 4.8                | 740                  | 13600                   |
| PB                                | 4.2                | 735                  | 15700                   | "Hi-Skor"                         |                    |                      |                         | PB                                | 7.5                | 1230                 | 31000                   | PB                               | 5.6                | 745                  | 13600                   |
| SR 7625                           | 4.6                | 480                  | 15800                   | 800-X                             | 5.7                | 875                  | 16000                   | SR 7625                           | 7.8                | 1250                 | 30200                   | SR 7625                          | 6.2                | 780                  | 14000                   |
| SR 4756                           | 5.6                | 765                  | 16000                   | SR 4756                           | 5.2                | 825                  | 15800                   | SR 4756                           | 9.0                | 1285                 | 30000                   | "Hi-Skor"                        |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | 800-X                             | 10.5               | 1305                 | 24000                   | 800-X                            | 7.2                | 730                  | 13900                   |
| 800-X                             | 6.0                | 830                  | 15700                   |                                   |                    |                      |                         |                                   |                    |                      |                         | SR 4756                          | 7.7                | 775                  | 13800                   |
|                                   |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         | IMR 4227                         | 14.2               | 815                  | 14000                   |
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR            |                    |                      |                         |
| SPEER 148 GR. LEAD BBWC;          |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.    |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.    |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.   |                    |                      |                         |
| .358" DIA.; 6.0" REVOLVER BBL.;   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.  |                    |                      |                         |
| 1.295" C.O.L.                     |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | 700-X                             | 3.2                | 745                  | 13100                   | 700-X                             | 5.5                | 1120                 | 34000                   | 700-X                            | 10.1               | 1300                 | 40000                   |
| 700-X                             | 2.6                | 710                  | 8700                    | "Hi-Skor"                         |                    |                      |                         | PB                                | 6.5                | 1135                 | 33500                   | SR 7625                          | 12.1               | 1350                 | 39700                   |
| "Hi-Skor"                         |                    |                      |                         | 700-X                             | 3.5                | 790                  | 15400                   | SR 7625                           | 7.2                | 1165                 | 32500                   | SR 4756                          | 14.6               | 1475                 | 39800                   |
| 700-X                             | 3.5                | 850                  | 16000                   | PB                                | 3.6                | 750                  | 12200                   | SR 4756                           | 7.8                | 1195                 | 32700                   | "Hi-Skor"                        |                    |                      |                         |
| PB                                | 2.8                | 705                  | 8400                    | PB                                | 4.0                | 800                  | 15800                   | "Hi-Skor"                         |                    |                      |                         | 800-X                            | 8.8                | 1205                 | 25000                   |
| PB                                | 3.8                | 855                  | 15800                   | SR 7625                           | 3.8                | 750                  | 11000                   | 700-X                             | 4.6                | 970                  | 34600                   |                                  |                    |                      |                         |
| SR 7625                           | 3.2                | 715                  | 8200                    | SR 7625                           | 4.5                | 790                  | 16000                   | SR 7625                           | 5.7                | 990                  | 33300                   | SR 7625                          | 10.1               | 1300                 | 40000                   |
| SR 7625                           | 4.2                | 845                  | 16000                   | "Hi-Skor"                         |                    |                      |                         | SR 7625                           | 6.0                | 1000                 | 33100                   | SR 4756                          | 12.1               | 1350                 | 39700                   |
| "Hi-Skor"                         |                    |                      |                         | 800-X                             | 5.0                | 750                  | 11600                   | SR 4756                           | 7.2                | 1030                 | 26000                   | "Hi-Skor"                        |                    |                      |                         |
| 800-X                             | 4.3                | 710                  | 8600                    | "Hi-Skor"                         |                    |                      |                         | SR 4756                           | 8.0                | 1030                 | 26000                   | 800-X                            | 15.5               | 1600                 | 39800                   |
| "Hi-Skor"                         |                    |                      |                         | 800-X                             | 5.9                | 880                  | 16000                   | "Hi-Skor"                         |                    |                      |                         | IMR 4227                         | 27.0C              | 1520                 | 33800                   |
| 800-X                             | 5.5                | 905                  | 15900                   | SR 4756                           | 5.4                | 840                  | 15900                   | "Hi-Skor"                         |                    |                      |                         |                                  |                    |                      |                         |
| SR 4756                           | 5.2                | 905                  | 16000                   | "Hi-Skor"                         |                    |                      |                         | 800-X                             | 6.2                | 1030                 | 26000                   |                                  |                    |                      |                         |
|                                   |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR            |                    |                      |                         |
| REM. 148 GR. LEAD WC; .358" DIA.; |                    |                      |                         | SPEER 200 GR. HP/XTP; .400" DIA.  |                    |                      |                         | SPEER 200 GR. TMJ; .400" DIA.     |                    |                      |                         | SPEER 225 GR. JHP; .429" DIA.    |                    |                      |                         |
| 6.0" REVOLVER BBL.; 1.225" C.O.L. |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 8.25" PISTOL BBL.; 1.585" C.O.L. |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| 700-X                             | 2.4                | 715                  | 8800                    | 700-X                             | 3.0                | 725                  | 15000                   | 700-X                             | 4.6                | 970                  | 34600                   | 700-X                            | 9.8                | 1235                 | 40000                   |
| PB                                | 2.7                | 710                  | 7900                    | PB                                | 3.4                | 760                  | 15800                   | PB                                | 5.1                | 975                  | 34400                   | PB                               | 11.7               | 1260                 | 39900                   |
| SR 7625                           | 2.9                | 700                  | 6900                    | SR 7625                           | 3.5                | 755                  | 15800                   | SR 7625                           | 5.7                | 990                  | 33300                   | "Hi-Skor"                        |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | SR 4756                           | 4.3                | 740                  | 15700                   | SR 4756                           | 6.0                | 1000                 | 33100                   | 800-X                            | 15.4               | 1525                 | 39800                   |
| 800-X                             | 4.0                | 705                  | 9400                    | SR 4756                           | 4.6                | 725                  | 15500                   | "Hi-Skor"                         |                    |                      |                         | IMR 4227                         | 23.0C              | 1295                 | 30700                   |
|                                   |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | 800-X                             | 5.9                | 1350                 | 30000                   |                                  |                    |                      |                         |
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR             |                    |                      |                         | WIN. CASE; WIN WSP PR            |                    |                      |                         |
| SIERRA 150 GR. JHC; .357" DIA.;   |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.    |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.    |                    |                      |                         | SIERRA 150 GR. JHP; .400" DIA.   |                    |                      |                         |
| 6.0" REVOLVER BBL.; 1.445" C.O.L. |                    |                      |                         | 5.0" BBL.; 1.250" C.O.L.          |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.   |                    |                      |                         | 4.0" PISTOL BBL.; 1.125" C.O.L.  |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| 700-X                             | 3.5                | 755                  | 15900                   | 700-X                             | 6.4                | 1220                 | 34300                   | 700-X                             | 4.3                | 840                  | 33800                   | 700-X                            | 9.8                | 1235                 | 40000                   |
| PB                                | 4.0                | 765                  | 15900                   | PB                                | 7.2                | 1235                 | 35000                   | PB                                | 4.5                | 845                  | 33900                   | PB                               | 11.7               | 1260                 | 39900                   |
| SR 7625                           | 4.3                | 770                  | 15700                   | SR 7625                           | 7.8                | 1275                 | 34300                   | SR 7625                           | 5.2                | 885                  | 34100                   | "Hi-Skor"                        |                    |                      |                         |
| SR 4756                           | 5.4                | 765                  | 16000                   | SR 4756                           | 8.5                | 1310                 | 34400                   | SR 4756                           | 5.6                | 905                  | 34200                   | 800-X                            | 15.4               | 1525                 | 39800                   |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| 800-X                             | 5.7                | 795                  | 15600                   | 800-X                             | 9.8                | 1350                 | 30000                   | 800-X                             | 6.3                | 925                  | 26100                   | 800-X                            | 14.2               | 1415                 | 39600                   |
|                                   |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         | IMR 4227                         | 22.0C              | 1275                 | 32600                   |
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | 10 MM AUTO                        |                    |                      |                         | 10 MM AUTO                        |                    |                      |                         | 10 MM AUTO                       |                    |                      |                         |
| HORNADY 158 GR. JFP; .357" DIA.;  |                    |                      |                         | REM. CASE; REM. 2 1/2 PR          |                    |                      |                         | REM. CASE; REM. 2 1/2 PR          |                    |                      |                         | REM. CASE; REM. 2 1/2 PR         |                    |                      |                         |
| 6.0" REVOLVER BBL.; 1.465" C.O.L. |                    |                      |                         | WIN. 180 GR. JHP; .400 DIA.       |                    |                      |                         | SIERRA 170 GR. JHC; .410" DIA.    |                    |                      |                         | SIERRA 240 GR. JHC; .429" DIA.   |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | 5.0" BBL.; 1.250" C.O.L.          |                    |                      |                         | 10" PISTOL BBL.; 1.575" C.O.L.    |                    |                      |                         | 8.25" PISTOL BBL.; 1.590" C.O.L. |                    |                      |                         |
| 700-X                             | 3.4                | 585                  | 15300                   | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| PB                                | 3.9                | 620                  | 16000                   | 700-X                             | 6.0                | 1105                 | 34400                   | 700-X                             | 8.4                | 1375                 | 39800                   | 700-X                            | 14.2               | 1415                 | 39600                   |
| SR 7625                           | 4.3                | 660                  | 15700                   | PB                                | 6.4                | 1105                 | 34900                   | PB                                | 8.4                | 1375                 | 39800                   | PB                               | 14.2               | 1415                 | 39600                   |
| SR 4756                           | 5.2                | 705                  | 15300                   | SR 7625                           | 7.0                | 1140                 | 35100                   | SR 7625                           | 8.6                | 1375                 | 39800                   | SR 7625                          | 14.2               | 1415                 | 39600                   |
| "Hi-Skor"                         |                    |                      |                         | SR 4756                           | 7.6                | 1155                 | 34400                   | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| 800-X                             | 5.5                | 695                  | 15400                   | 800-X                             | 8.7                | 1210                 | 30000                   | 800-X                             | 7.6                | 1185                 | 39000                   | 800-X                            | 14.3               | 1415                 | 40000                   |
|                                   |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         | IMR 4227                         | 24.0C              | 1370                 | 34900                   |
| <b>.38 SPECIAL</b>                |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |
| REM. CASE; REM. 1 1/2 PR          |                    |                      |                         | 10 MM AUTO                        |                    |                      |                         | 10 MM AUTO                        |                    |                      |                         | 10 MM AUTO                       |                    |                      |                         |
| HORNADY 158 GR. JFP; .357" DIA.;  |                    |                      |                         | REM. CASE; REM. 2 1/2 PR          |                    |                      |                         | REM. CASE; REM. 2 1/2 PR          |                    |                      |                         | REM. CASE; REM. 2 1/2 PR         |                    |                      |                         |
| 6.0" REVOLVER BBL.; 1.465" C.O.L. |                    |                      |                         | 5.0" BBL.; 1.250" C.O.L.          |                    |                      |                         | 5.0" BBL.; 1.250" C.O.L.          |                    |                      |                         | 5.0" BBL.; 1.250" C.O.L.         |                    |                      |                         |
| "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                         |                    |                      |                         | "Hi-Skor"                        |                    |                      |                         |
| 700-X                             | 3.4                | 585                  | 15300                   | 700-X                             | 5.2                | 975                  | 33000                   | 700-X                             | 7.6                | 1185                 | 39000                   | 700-X                            | 9.1                | 1245                 | 39700                   |
| PB</td                            |                    |                      |                         |                                   |                    |                      |                         |                                   |                    |                      |                         |                                  |                    |                      |                         |

## HANDGUN

| IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER                 | CHARGE<br>(grains)              | VELOCITY<br>(ft/sec)             | CHAMBER<br>PRESS. (cup)         |      |      |       |                        |  |  |
|--|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|---------------|--------------------|----------------------|-------------------------|-------------------------------|---------------------------------|----------------------------------|---------------------------------|------|------|-------|------------------------|--|--|
| <b>.44 REMINGTON MAGNUM</b>  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. CASE; REM. 2 1/2 PR   |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. 240 GR. LEAD GC; .423" DIA.; .825" PISTOL BBL.; 1.610" C.O.L.     |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| 700-X  | 9.5                | 1205                 | 39600                   | "Hi-Skor"     | 700-X              | 4.4                  | 775                     | 12000         | 800-X              | 10.0c                | 1438                    | 36100                         | 9 MM LUGER                      |                                  |                                 |      |      |       |                        |  |  |
| SR 7625  | 11.3               | 1260                 | 39700                   | "Hi-Skor"     | 700-X              | 5.5                  | 930                     | 17700         | SR-7625            | 6.7                  | 1237                    | 38700                         | REM. CASE; FED. 100 PR          |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  | 800-X              | 13.5                 | 1400                    | 39600         | PB                 | 5.1                  | 770                     | 11900         | SR-4756            | 7.9                  | 1304                    | 37100                         | HORNADY 147 GR. BTHP/XTP        |                                  |                                 |      |      |       |                        |  |  |
| SR 4756  | 13.9               | 1385                 | 39800                   | PB            | 5.9                | 885                  | 17900                   | SR 7625       | 9.1                | 1376                 | 38900                   | .355" DIA.; 4.0" PISTOL BBL.; |                                 |                                  |                                 |      |      |       |                        |  |  |
| IMR 4227   | 24.0C              | 1420                 | 35200                   | SR 7625       | 5.6                | 770                  | 12600                   | SR 4756       | 800-X              | 10.0c                | 1438                    | 36100                         | 1.130" C.O.L.                   |                                  |                                 |      |      |       |                        |  |  |
| <b>.44 REMINGTON MAGNUM</b>  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. CASE; REM. 2 1/2 PR   |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| HORNADY 240 GR. LEAD SWC; .430" DIA.; .825" PISTOL BBL.; 1.585" C.O.L. |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| 700-X  | 9.5                | 1185                 | 40000                   | "Hi-Skor"     | 800-X              | 6.4                  | 775                     | 12700         | SR 7625            | 7.9                  | 950                     | 18000                         | .25 A.C.P.                      |                                  |                                 |      |      |       |                        |  |  |
| SR 7625  | 10.7               | 1190                 | 39700                   | "Hi-Skor"     | SR 7625            | 6.5                  | 900                     | 18000         | SR 4756            | 7.0                  | 765                     | 12000                         | REM. CASE; CCI 500 PR           |                                  |                                 |      |      |       |                        |  |  |
| IMR 4227   | 22.0C              | 1310                 | 33300                   | SR 4756       | 8.2                | 30                   | 17900                   | SR 7625       | 800-X              | 9.0                  | 1317                    | 38000                         | HORNADY 50 GR. FMJ; .251" DIA.; |                                  |                                 |      |      |       |                        |  |  |
| <b>.45 A.C.P.</b>  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. CASE; REM. 2 1/2 PR   |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. 185 GR. MC HP; .451" DIA.; 5.0" PISTOL BBL.; 1.271" C.O.L.        |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| 700-X  | 5.3                | 845                  | 17500                   | "Hi-Skor"     | 700-X              | 4.7                  | 775                     | 17700         | SR 7625            | 5.8                  | 775                     | 13600                         | .38 SUPER AUTO +P               |                                  |                                 |      |      |       |                        |  |  |
| PB   | 6.1                | 855                  | 17900                   | "Hi-Skor"     | PB                 | 5.2                  | 765                     | 15500         | SR 7625            | 6.2                  | 825                     | 17700                         | REM. CASE; REM. 1 1/2 PR.       |                                  |                                 |      |      |       |                        |  |  |
| SR 7625  | 6.9                | 890                  | 18000                   | "Hi-Skor"     | 800-X              | 6.2                  | 760                     | 13800         | SR 7625            | 800-X                | 8.0c                    | 1314                          | 31300                           | HORNADY 90 GR. HP; .355" DIA.;   |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  | 800-X              | 8.6                  | 975                     | 18000         | "Hi-Skor"          | SR 4756              | 6.9                     | 770           | 14000              | SR 7625              | PB                      | 5.0                           | 1122                            | 33900                            | 3.75" PISTOL BBL.; .970" C.O.L. |      |      |       |                        |  |  |
| SR 4756  | 8.7                | 920                  | 17900                   | SR 4756       | 7.5                | 960                  | 17800                   | SR 4756       | SR 7625            | 6.3                  | 1219                    | 34300                         | "Hi-Skor"                       |                                  |                                 |      |      |       |                        |  |  |
| <b>.45 A.C.P.</b>  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. CASE; REM. 2 1/2 PR   |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. 185 GR. MC SWC MATCH; .451" DIA.; 5.0" PISTOL BBL.; 1.150" C.O.L. |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| 700-X  | 4.4                | 760                  | 14300                   | "Hi-Skor"     | 700-X              | 5.0                  | 770                     | 17700         | SR 7625            | 5.5                  | 750                     | 17900                         | .380 A.C.P.                     |                                  |                                 |      |      |       |                        |  |  |
| PB   | 5.1                | 755                  | 13600                   | "Hi-Skor"     | PB                 | 5.5                  | 750                     | 17900         | SR 7625            | 6.0                  | 745                     | 17400                         | REM. CASE; REM. 1 1/2 PR.       |                                  |                                 |      |      |       |                        |  |  |
| SR 7625  | 5.7                | 760                  | 13100                   | "Hi-Skor"     | 800-X              | 7.3                  | 840                     | 17800         | SR 7625            | 800-X                | 6.4                     | 1159                          | 34600                           | HORNADY 100 GR. FMJ; .355" DIA.; |                                 |      |      |       |                        |  |  |
| SR 7625  | 6.5                | 895                  | 17700                   | "Hi-Skor"     | SR 4756            | 7.4                  | 795                     | 17600         | SR 7625            | PB                   | 4.1                     | 912                           | 33500                           | 3.75" PISTOL BBL.; .980" C.O.L.  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  | 800-X              | 6.8                  | 785                     | 12400         | "Hi-Skor"          | SR 7625              | 8.7                     | 895           | 13900              | SR 7625              | SR 4756                 | 5.1                           | 1004                            | 34000                            | "Hi-Skor"                       |      |      |       |                        |  |  |
| "Hi-Skor"  | 800-X              | 8.2                  | 980                     | 17700         | "Hi-Skor"          | SR 4756              | 8.0c                    | 840           | 13710              | SR 4756              | SR 7625                 | 5.9                           | 1053                            | 33600                            | .380 A.C.P.                     |      |      |       |                        |  |  |
| SR 4756  | 8.4                | 940                  | 17900                   | SR 4756       | 700-X              | 6.3                  | 815                     | 13710         | SR 4756            | SR 7625              | PB                      | 4.1                           | 870                             | 15500                            | REM. CASE; CCI 500 PR.          |      |      |       |                        |  |  |
| <b>.45 A.C.P.</b>  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| REM. CASE; REM. 2 1/2 PR   |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| SPEER 200 GR. JHP; .451" DIA.; 5.0" PISTOL BBL.; 1.170" C.O.L.         |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  |                    |                      |                         |               |                    |                      |                         |               |                    |                      |                         |                               |                                 |                                  |                                 |      |      |       |                        |  |  |
| 700-X  | 5.1                | 815                  | 17500                   | "Hi-Skor"     | 700-X              | 6.0                  | 825                     | 17200         | SR 7625            | 6.4                  | 885                     | 13500                         | .380 A.C.P.                     |                                  |                                 |      |      |       |                        |  |  |
| PB   | 6.0                | 825                  | 17200                   | "Hi-Skor"     | SR 4756            | 10.0                 | 895                     | 14000         | SR 4227            | 17.7                 | 890                     | 14000                         | REM. CASE; REM. 2 1/2 PR.       |                                  |                                 |      |      |       |                        |  |  |
| SR 7625  | 6.4                | 825                  | 17200                   | "Hi-Skor"     | SR 4756            | 9.5                  | 915                     | 13700         | SR 4756            | 800-X                | 9.5                     | 915                           | 13700                           | HORNADY 124 GR. MC; .354" DIA.;  |                                 |      |      |       |                        |  |  |
| SR 4756  | 8.1                | 880                  | 17700                   | "Hi-Skor"     | SR 4756            | 10.0                 | 885                     | 13500         | IMR 4227           | 17.7                 | 890                     | 14000                         | 4.0" PISTOL BBL.; 1.125" C.O.L. |                                  |                                 |      |      |       |                        |  |  |
| "Hi-Skor"  | 800-X              | 8.3                  | 840                     | 18000         | "Hi-Skor"          | SR 4756              | 10.0c                   | 895           | 13900              | SR 7625              | 4.9                     | 1040                          | 32300                           | SR 4756                          | 800-X                           | 6.5C | 1115 | 28600 | REM. CASE; CCI 500 PR. |  |  |

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

## HANDGUN

| IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER   | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) | IMR<br>POWDER  | CHARGE<br>(grains) | VELOCITY<br>(ft/sec) | CHAMBER<br>PRESS. (cup) |  |
|--|--------------------|----------------------|-------------------------|---|--------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|--|--------------------|----------------------|-------------------------|--|
| <b>38 SPECIAL<br/>(COWBOY ACTION)</b>                                  |                    |                      |                         | <b>44 REM MAG<br/>(COWBOY ACTION)</b>                                 |                    |                      |                         | <b>45 COLT<br/>(COWBOY ACTION)</b>                                   |                    |                      |                         | <b>45 COLT<br/>(COWBOY ACTION)</b>                                   |                    |                      |                         |  |
| REM. CASE; REM. 1 1/2  |                    |                      |                         | REM. CASE; REM. 2 1/2   |                    |                      |                         | REM. CASE; REM. 2 1/2  |                    |                      |                         | REM. CASE; REM. 2 1/2  |                    |                      |                         |  |
| HORNADY 140 GR. FPCOWBOY; .127" DIA.;<br>8" PISTOL BBL.; 1.510" C.O.L. |                    |                      |                         | D & J 200 GR. LRN FP; .430" DIA.;<br>8.25" PISTOL BBL.; 1.565" C.O.L. |                    |                      |                         | D & J 200 GR. LRN FP; .452" DIA.;<br>7.5" PISTOL BBL.; 1.585" C.O.L. |                    |                      |                         | D & J 250 GR. LRN FP; .452" DIA.;<br>7.5" PISTOL BBL.; 1.580" C.O.L. |                    |                      |                         |  |
| "Hi-Skor"<br>700-X 3.0 789 11700                                       |                    |                      |                         | "Hi-Skor"<br>700-X 4.3 818 11700                                      |                    |                      |                         | "Hi-Skor"<br>700-X 5.0 780 7200                                      |                    |                      |                         | "Hi-Skor"<br>700-X 5.2 772 11900                                     |                    |                      |                         |  |
| "Hi-Skor"<br>800-X 4.0 778 10300                                       |                    |                      |                         | "Hi-Skor"<br>800-X 5.9 813 10500                                      |                    |                      |                         | "Hi-Skor"<br>800-X 7.3 800 6600                                      |                    |                      |                         | "Hi-Skor"<br>800-X 7.0 773 10500                                     |                    |                      |                         |  |
|  |                    |                      |                         | PB 5.1 781 10700  |                    |                      |                         | PB 6.3 766 7000  |                    |                      |                         | PB 6.3 767 10800   |                    |                      |                         |  |
|  |                    |                      |                         | SR-7625 5.9 812 11100   |                    |                      |                         | SR-7625 7.3 795 8300   |                    |                      |                         | SR-7625 7.0 769 10300  |                    |                      |                         |  |
|  |                    |                      |                         | SR-4756 7.0 797 10700   |                    |                      |                         | SR-4756 8.5 768 6700   |                    |                      |                         | SR-4756 8.2 756 10200  |                    |                      |                         |  |
| <b>38 SPECIAL<br/>(COWBOY ACTION)</b>                                  |                    |                      |                         |   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |
| REM. CASE; REM. 1 1/2  |                    |                      |                         |   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |
| REM 158 GR. SWC; .127" DIA.;<br>8" PISTOL BBL.; 1.510" C.O.L.          |                    |                      |                         |   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |
| "Hi-Skor"<br>700-X 3.0 770 12400                                       |                    |                      |                         |   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |
| "Hi-Skor"<br>800-X 3.8 764 11400                                       |                    |                      |                         |   |                    |                      |                         |  |                    |                      |                         |  |                    |                      |                         |  |

## THOMPSON/CENTER CONTENDER RELOADING DATA (ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

### KEY TO ABBREVIATIONS FOR T/C CONTENDER DATA

|        |                          |     |                   |      |                        |
|--------|--------------------------|-----|-------------------|------|------------------------|
| BR     | Bench Rest               | FMJ | Full Metal Jacket | PSP  | Pointed Soft Point     |
| BR PR  | Bench Rest Primer        | FP  | Flat Point        | SPCL | Soft Point "Cole-Lokt" |
| BT     | Boat Tail                | HP  | Hollow Point      | T/C  | Thompson Center        |
| C      | Compressed Charge        | J   | Jacketed          |      |                        |
| C.O.L. | Cartridge Overall Length |     |                   |      |                        |

| BULLET<br>WT.                                     | DIA.  | IMR<br>POWDER  | CHARGE<br>(GRAINS) | VELOCITY (FT/SEC)<br>10" BARREL | VELOCITY (FT/SEC)<br>14" BARREL | CHAMBER<br>PRESSURE (CUP) | CARTRIDGE<br>OVERALL<br>LENGTH (IN.) |
|---|-------|----------------|--------------------|---------------------------------|---------------------------------|---------------------------|--------------------------------------|
| <b>.222 REMINGTON—REM. CASE, REM. 7 1/2 BR PR</b> |       |                |                    |                                 |                                 |                           |                                      |
| 45 GR.  | .224" | IMR 4227       | 17.1               | 2500                            | -                               | 45200                     | 2.130"                               |
|   |       | SIERRA SPITZER | 21.1               | 2640                            | -                               | 45800                     |                                      |
|   |       | IMR 4895       | 24.2C              | 2380                            | -                               | 37400                     |                                      |
| 50 GR.  | .224" | IMR 4227       | 16.1               | 2365                            | -                               | 45800                     | 2.130"                               |
|   |       | REMINGTON PSP  | 20.0               | 2510                            | -                               | 45600                     |                                      |
|   |       | IMR 4895       | 24.2C              | 2365                            | -                               | 39300                     |                                      |
| 52 GR.  | .224" | IMR 4227       | 15.8               | 2300                            | -                               | 45600                     | 2.190"                               |
|   |       | SIERRA HPBT BR | 19.8               | 2455                            | -                               | 45800                     |                                      |
|   |       | IMR 4895       | 23..8C             | 2325                            | -                               | 40500                     |                                      |
| 55 GR.  | .224" | IMR 4198       | 19.0               | 2375                            | -                               | 45200                     | 2.085"                               |
|   |       | SPEER FMJ      | 21.5C              | 2225                            | -                               | 37800                     |                                      |
|   |       | IMR 3031       | 23.0C              | 2275                            | -                               | 41200                     |                                      |
|   |       | IMR 4895       |                    |                                 |                                 |                           |                                      |
| 60 GR.  | .224" | IMR 4227       | 14.7               | 2105                            | -                               | 45000                     | 2.245"                               |
|   |       | HORNADY HP     | 19.1               | 2330                            | -                               | 45800                     |                                      |
|   |       | IMR 4198       | 23.0C              | 2235                            | -                               | 42400                     |                                      |
| 70 GR.  | .224" | IMR 4198       | 17.9               | 2145                            | -                               | 45700                     | 2.060"                               |
|   |       | SPEER          | 20.5C              | 2000                            | -                               | 34900                     |                                      |
|   |       | SEMI-SPITZER   | 21.5C              | 2050                            | -                               | 37900                     |                                      |

# THOMPSON/CENTER CONTENDER RELOADING DATA

## (ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

| BULLET<br>WT.   | DIA.                | IMR<br>POWDER | CHARGE<br>(GRAINS) | VELOCITY (FT/SEC)<br>10" BARREL | VELOCITY (FT/SEC)<br>14" BARREL | CHAMBER<br>PRESSURE (CUP) | CARTRIDGE<br>OVERALL<br>LENGTH (IN.) |
|---|---------------------|---------------|--------------------|---------------------------------|---------------------------------|---------------------------|--------------------------------------|
| <b>.25/.35 WINCHESTER—REM. CASE, FED. 210 BR PR</b>           |                     |               |                    |                                 |                                 |                           |                                      |
| 60 GR.  | .257"               | IMR 3031      | 28.3               | 2325                            | -                               | 36900                     | 2.390"                               |
|   |                     | IMR 4064      | 30.5C              | 2285                            | -                               | 36000                     |                                      |
| 87 GR.  | .257"               | IMR 3031      | 23.4               | 1965                            | -                               | 36800                     | 2.690"                               |
|   |                     | IMR 4064      | 25.7               | 1960                            | -                               | 36500                     |                                      |
| 100 GR.   | .257"               | IMR 3031      | 22.1               | 1845                            | -                               | 36500                     | 2.700"                               |
|   |                     | IMR 4064      | 25.2               | 1875                            | -                               | 37000                     |                                      |
|   |                     | IMR 4350      | 31.0C              | 1900                            | -                               | 36400                     |                                      |
| 117 GR.   | .257"               | IMR 3031      | 21.5               | 1760                            | -                               | 36700                     | 2.700"                               |
|   | SIERRA              | IMR 4895      | 22.2               | 1750                            | -                               | 37000                     |                                      |
|   | SPITZER BT          | IMR 4350      | 28.3C              | 1760                            | -                               | 35900                     |                                      |
| <b>.30 HERRETT—REM. (FORMED BY T/C), CASE, FED. 210 BR PR</b> |                     |               |                    |                                 |                                 |                           |                                      |
| 110 GR.   | .308"               | IMR 4227      | 18.8               | 1910                            | 2035                            | 44600                     | 2.020"                               |
|   |                     | IMR 4198      | 24.3               | 2075                            | 2210                            | 44600                     |                                      |
|   |                     | IMR 3031      | 28.0C              | 1940                            | 2070                            | 36000                     |                                      |
| 130 GR.   | .308"               | IMR 4227      | 18.0               | 1775                            | 1885                            | 44800                     | 2.175"                               |
|   | HORNADY             | IMR 4198      | 22.5               | 1895                            | 2015                            | 44400                     |                                      |
|   | SPIRE POINT         | IMR 3031      | 26.0C              | 1765                            | 1875                            | 36300                     |                                      |
| 150 GR.   | .308"               | IMR 4198      | 21.3               | 1760                            | 1870                            | 44200                     | 2.300"                               |
|   | SIERRA SPITZER      | IMR 3031      | 25.2C              | 1680                            | 1785                            | 36700                     |                                      |
|   |                     | IMR 4895      | 27.0C              | 1735                            | 1845                            | 40700                     |                                      |
| 170 GR.   | .308"               | IMR 4198      | 19.2               | 1575                            | 1670                            | 44600                     | 2.165"                               |
|   | REMINGTON SPCL      | IMR 3031      | 24.5C              | 1590                            | 1690                            | 37800                     |                                      |
|   |                     | IMR 4895      | 26.0C              | 1625                            | 1725                            | 41200                     |                                      |
| <b>.30/.30 WINCHESTER—REM. CASE, FED. 210 BR PR</b>           |                     |               |                    |                                 |                                 |                           |                                      |
| 110 GR.   | .308"               | IMR 3031      | 36.0C              | 2110                            |                                 | 34000                     | 2.450"                               |
|   |                     | IMR 4895      | 34.6               | 2080                            | 2235                            | 37800                     |                                      |
|   |                     | IMR 4064      | 36.5C              | 2020                            | 2170                            | 33200                     |                                      |
| 130 GR.   | .308"               | IMR 3031      | 36.0C              | 2025                            | 2175                            | 37000                     | 2.725"                               |
|   | HORNADY SPIRE POINT | IMR 4064      | 36.5C              | 1965                            | 2110                            | 36500                     |                                      |
| 150 GR.   | .308"               | IMR 3031      | 33.0               | 1895                            | 2035                            | 37500                     | 2.855"                               |
|   | SIERRA SPITZER      | IMR 4064      | 34.4               | 1855                            | 1995                            | 37400                     |                                      |
| 170 GR.   | .308"               | IMR 3031      | 27.4               | 1660                            | 1780                            | 37600                     | 2.700"                               |
|   | REMINGTON SPECIAL   | IMR 4064      | 32.8               | 1750                            | 1875                            | 37900                     | 2.700"                               |

*Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.*

# THOMPSON/CENTER CONTENDER RELOADING DATA

## (ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

| BULLET WT.  | DIA.  | IMR POWDER    | CHARGE (GRAINS) | VELOCITY (FT/SEC)<br>10" BARREL | VELOCITY (FT/SEC)<br>14" BARREL | CHAMBER PRESSURE (CUP) | CARTRIDGE OVERALL LENGTH (IN.) |
|---|-------|---------------|-----------------|---------------------------------|---------------------------------|------------------------|--------------------------------|
| <b>.357 HERRETT—WIN. (FORMED BY T/C) CASE, FED. 210 BR PR</b> |       |               |                 |                                 |                                 |                        |                                |
| 110 GR.   | .357" | SR 4759       | 24.5C           | 1950                            | 2070                            | 35600                  | 2.080"                         |
|   |       | HORNADY JHP   | IMR 4227        | 23.8                            | 2095                            | 44500                  |                                |
|   |       |               | IMR 4198        | 32.0C                           | 2070                            | 33900                  |                                |
| 125 GR.   | .357" | SR 4759       | 24.0C           | 1880                            | 1990                            | 38400                  | 2.080"                         |
|   |       | HORNADY JHP   | IMR 4227        | 22.3                            | 1995                            | 44900                  |                                |
|   |       |               | IMR 4198        | 31.0C                           | 2015                            | 38100                  |                                |
| 158 GR.   | .357" | SR 4759       | 23.0C           | 1705                            | 1810                            | 42000                  | 2.150"                         |
|   |       | HORNADY JFP   | IMR 4227        | 20.2                            | 1710                            | 44900                  |                                |
|   |       |               | IMR 4198        | 29.9C                           | 1925                            | 44900                  |                                |
| 170 GR.   | .357" | SR 4759       | 23.0C           | 1655                            | 1750                            | 41400                  | 2.230"                         |
|   |       | SIERRA FMJ    | IMR 4227        | 20.1                            | 1640                            | 45000                  |                                |
|   |       | SILHOUETTE    | IMR 4198        | 30.0C                           | 1835                            | 44600                  |                                |
| 200 GR.   | .358" | SR 4759       | 23.0C           | 1575                            | 1675                            | 44100                  | 2.540"                         |
|   |       | HORNADY       | IMR 4198        | 28.2                            | 1715                            | 45000                  |                                |
|   |       | SPIRE POINT   | IMR 3031        | 31.0C                           | 1540                            | 32400                  |                                |
|   |       |               | IMR 4895        | 34.0C                           | 1605                            | 38300                  |                                |
| <b>.35 REMINGTON—REM. CASE, FED. 210 BR PR</b>                |       |               |                 |                                 |                                 |                        |                                |
| 158 GR.   | .357" | IMR 3031      | 38.4C           | -                               | 2030                            | 34500                  | 2.300"                         |
|   |       | HORNADY JFP   | IMR 3895        | 37.8                            | -                               | 34700                  |                                |
|   |       |               | IMR 4064        | 39.5C                           | -                               | 32600                  |                                |
| 170 GR.   | .357" | IMR 3031      | 38.5C           | -                               | 1985                            | 33700                  | 2.405"                         |
|   |       | SIERRA FMJ    | IMR 4895        | 37.8                            | -                               | 34100                  |                                |
|   |       | SILHOUETTE    | IMR 4064        | 38.1                            | -                               | 35000                  |                                |
| 250 GR.   | .358" | IMR 3031      | 31.0            | -                               | 1620                            | 35000                  | 2.800"                         |
|   |       | SPEER SPITZER | IMR 4064        | 33.0                            | -                               | 34800                  |                                |

## IMR HANDLOADING POWDER SELECTION GUIDE

The following table lists the IMR Handloading Powders and the general area of use for each powder. Whenever a specific powder appears in more than one section of this Guide (for example, shotshell and handgun), the same powder can be used for all recommended loads shown with this powder. Powders can be used in case bullet rifle loads as specified in reliable published loading data.

| POWDER DESIGNATION | SHOTSHELL (GAUGE) |    |    |    |    |     | HANDGUN | RIFLE | CONTAINER NET WEIGHT LBS. |       |     |
|--------------------|-------------------|----|----|----|----|-----|---------|-------|---------------------------|-------|-----|
|                    | 10                | 12 | 16 | 20 | 28 | 410 |         |       | CANISTER                  | CADDY | KEG |
| "HI-SKOR" 700-X    | X                 | X  | X  | X  |    |     | X       |       | 1/2                       | 5     | 12  |
| "HI-SKOR" 800-X    | X                 | X  | X  | X  | X  |     | X       |       | 1/2                       | 5     | 12  |
| PB                 | X                 | X  | X  | X  | X  |     | X       |       | 1/2                       | 5     | 12  |
| SR 7625            | X                 | X  | X  | X  | X  |     | X       |       | 1/2                       | 5     | 12  |
| SR 4756            | X                 | X  | X  | X  | X  |     | X       |       | 1/2                       | 5     | 12  |
| SR 4759            |                   |    |    |    |    | X   | X       | 1/2   | 5                         | 12    |     |
| IMR 4227           |                   |    |    | X  |    | X   | X       | 1     | 8                         | 20    |     |
| IMR 4198           |                   |    |    | X  |    | X   | X       | 1     | 8                         | 20    |     |
| IMR 3031           |                   |    |    |    | X  |     | X       | 1     | 8                         | 20    |     |
| IMR 4064           |                   |    |    |    |    | X   | X       | 1     | 8                         | 20    |     |
| IMR 4895           |                   |    |    |    |    | X   | X       | 1     | 8                         | 20    |     |
| IMR 4320           |                   |    |    |    |    | X   | X       | 1     | 8                         | 20    |     |
| IMR 4350           |                   |    |    |    |    | X   | X       | 1     | 8                         | 20    |     |
| IMR 4831           |                   |    |    |    |    |     | X       | 1     | 8                         | 20    |     |
| IMR 7828           |                   |    |    |    |    |     | X       | 1     | 8                         | 20    |     |

# IMR

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The information presented in this booklet is based upon results obtained in our ballistics laboratory, and is offered without charge as an aid to handloaders, to be employed at their own discretion and risk. Safe loading practices should be observed at all times. Since we have no control over the circumstances of loading, we assume no liability for the results obtained, and we guarantee only that powder meets our manufacturing standards.

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